

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067817.D
 Acq On : 30 Nov 2020 16:33
 Operator : VA/SY
 Sample : L4880-03MS
 Misc : 4.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MS

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 12:43:45 PM

Quant Time: Dec 01 00:42:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	49792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	83306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	84346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	39212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	53438	110.38	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	220.76%#
35) Dibromofluoromethane	7.93	113	36369	68.60	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	137.20%
50) Toluene-d8	10.34	98	103454	53.37	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.74%
62) 4-Bromofluorobenzene	12.64	95	37177	56.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.22%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	19329	44.608	ug/l	96
3) Chloromethane	2.21	50	14797	61.340	ug/l	98
4) Vinyl Chloride	2.35	62	14090	46.612	ug/l #	82
5) Bromomethane	2.77	94	15443	59.964	ug/l	99
6) Chloroethane	2.93	64	11756	58.353	ug/l #	87
7) Trichlorofluoromethane	3.27	101	43185	46.817	ug/l	94
8) Diethyl Ether	3.71	74	19505	104.733	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	18131	41.047	ug/l	94
10) Methyl Iodide	4.30	142	21048	46.555	ug/l	98
11) Tert butyl alcohol	5.22	59	21074	944.598	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	20284	49.628	ug/l	98
13) Acrolein	3.92	56	6573	327.552	ug/l	88
14) Allyl chloride	4.71	41	24284	61.464	ug/l	95
15) Acrylonitrile	5.42	53	50315	775.693	ug/l	92
16) Acetone	4.16	43	48188	770.466	ug/l	97
17) Carbon Disulfide	4.41	76	54851	46.399	ug/l	100
18) Methyl Acetate	4.73	43	61306	487.219	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	102003	116.774	ug/l	97
20) Methylene Chloride	4.97	84	35281	78.688	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	26808	57.692	ug/l	98
22) Diisopropyl ether	6.37	45	62255	79.825	ug/l	92
23) Vinyl Acetate	6.30	43	93095m	211.613	ug/l	
24) 1,1-Dichloroethane	6.27	63	42226	63.862	ug/l	97
25) 2-Butanone	7.21	43	58638	835.496	ug/l	93
26) 2,2-Dichloropropane	7.20	77	42001	53.844	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	33935	68.514	ug/l	96
28) Bromochloromethane	7.56	49	19669	92.866	ug/l	97
29) Tetrahydrofuran	7.56	42	36259	908.664	ug/l	95
30) Chloroform	7.71	83	59478	68.789	ug/l	95
31) Cyclohexane	7.99	56	20653	35.257	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	49387	53.933	ug/l	97
36) 1,1-Dichloropropene	8.11	75	27979	39.139	ug/l	94
37) Ethyl Acetate	7.30	43	16648	86.609	ug/l #	91
38) Carbon Tetrachloride	8.10	117	41839	40.376	ug/l #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067817.D
 Acq On : 30 Nov 2020 16:33
 Operator : VA/SY
 Sample : L4880-03MS
 Misc : 4.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MS

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 12:43:45 PM

Quant Time: Dec 01 00:42:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	20346	24.050	ug/l	88
40) Benzene	8.36	78	107204	54.603	ug/l	94
41) Methacrylonitrile	7.53	41	13430m	136.824	ug/l	
42) 1,2-Dichloroethane	8.43	62	59973	90.027	ug/l	99
43) Isopropyl Acetate	8.46	43	31171	81.202	ug/l	96
44) Trichloroethene	9.11	130	30513	46.892	ug/l	98
45) 1,2-Dichloropropane	9.38	63	24449	60.689	ug/l	95
46) Dibromomethane	9.48	93	27632	100.748	ug/l	99
47) Bromodichloromethane	9.66	83	55518	72.692	ug/l #	96
48) Methyl methacrylate	9.46	41	29404	153.217	ug/l	90
49) 1,4-Dioxane	9.46	88	9486	3191.442	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	131275	726.759	ug/l	98
52) Toluene	10.41	92	72758	54.627	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	56002	83.929	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	51206	67.810	ug/l #	88
55) 1,1,2-Trichloroethane	10.81	97	35952	97.695	ug/l	98
56) Ethyl methacrylate	10.66	69	20605	54.081	ug/l	98
57) 1,3-Dichloropropane	10.95	76	54434	93.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	107914	606.183	ug/l	99
59) 2-Hexanone	10.99	43	84893	665.667	ug/l	97
60) Dibromochloromethane	11.15	129	48365	86.246	ug/l	97
61) 1,2-Dibromoethane	11.25	107	37178	102.532	ug/l	99
64) Tetrachloroethene	10.88	164	23949	36.583	ug/l	90
65) Chlorobenzene	11.67	112	82301	49.646	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	42011	62.649	ug/l	96
67) Ethyl Benzene	11.75	91	114476	40.000	ug/l	98
68) m/p-Xylenes	11.86	106	96211	86.389	ug/l	98
69) o-Xylene	12.18	106	48033	47.370	ug/l	98
70) Styrene	12.20	104	86930	50.331	ug/l	97
71) Bromoform	12.37	173	33538	92.131	ug/l #	96
73) Isopropylbenzene	12.48	105	105635	40.944	ug/l	99
74) N-amyl acetate	12.29	43	17220	50.613	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	39139	113.037	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	32795m	120.001	ug/l	
77) Bromobenzene	12.76	156	37902	58.687	ug/l	87
78) n-propylbenzene	12.83	91	109548	38.165	ug/l	99
79) 2-Chlorotoluene	12.91	91	74173	43.646	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	94064	41.918	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12910	110.489	ug/l	90
82) 4-Chlorotoluene	13.01	91	83107	45.895	ug/l	99
83) tert-Butylbenzene	13.23	119	69755	36.175	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	99107	44.212	ug/l	99
85) sec-Butylbenzene	13.41	105	77337	30.529	ug/l	98
86) p-Isopropyltoluene	13.52	119	77705	31.670	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	57000	45.603	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	58647	47.366	ug/l	97
89) n-Butylbenzene	13.85	91	51386	24.439	ug/l	97
90) Hexachloroethane	14.11	117	16213	34.711	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	56157	52.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	9228	123.618	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD113020\
Data File : VD067817.D
Acq On : 30 Nov 2020 16:33
Operator : VA/SY
Sample : L4880-03MS
Misc : 4.45G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MS

Manual Integrations
APPROVED

MMDadoda
12/1/2020 12:43:45 PM

Quant Time: Dec 01 00:42:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26997	35.411	ug/l	93
94) Hexachlorobutadiene	15.27	225	6043	12.406	ug/l	93
95) Naphthalene	15.40	128	87177	70.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	24392	37.561	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

