

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067843.D
 Acq On : 02 Dec 2020 18:41
 Operator : VA/SY
 Sample : L4880-05MSD
 Misc : 4.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:58 AM

Quant Time: Dec 03 01:59:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	199061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	240581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100903	47.22	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.44%
35) Dibromofluoromethane	7.92	113	94616	50.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.30%
50) Toluene-d8	10.34	98	334428	49.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.48%
62) 4-Bromofluorobenzene	12.63	95	98339	41.88	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89244	51.516	ug/l	99
3) Chloromethane	2.21	50	42732	42.741	ug/l	98
4) Vinyl Chloride	2.35	62	64046	50.864	ug/l	90
5) Bromomethane	2.77	94	76160	67.755	ug/l	96
6) Chloroethane	2.93	64	41268	50.338	ug/l	100
7) Trichlorofluoromethane	3.28	101	185190	48.064	ug/l	97
8) Diethyl Ether	3.71	74	34794	46.332	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80301	45.704	ug/l	98
10) Methyl Iodide	4.30	142	68368	36.712	ug/l	99
11) Tert butyl alcohol	5.22	59	18310	141.809	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	79759	48.353	ug/l	94
13) Acrolein	3.92	56	7049	85.836	ug/l	86
14) Allyl chloride	4.72	41	76047	49.835	ug/l	96
15) Acrylonitrile	5.42	53	50203	192.794	ug/l	99
16) Acetone	4.16	43	43400	164.352	ug/l	94
17) Carbon Disulfide	4.41	76	214118	46.493	ug/l	96
18) Methyl Acetate	4.71	43	59509	121.115	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	164800	46.658	ug/l	99
20) Methylene Chloride	4.97	84	90685	53.285	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	90911	48.434	ug/l	95
22) Diisopropyl ether	6.37	45	150990	49.196	ug/l	93
23) Vinyl Acetate	6.36	43	161078m	94.341	ug/l	
24) 1,1-Dichloroethane	6.27	63	134692	50.064	ug/l	98
25) 2-Butanone	7.21	43	53050	191.000	ug/l	98
26) 2,2-Dichloropropane	7.21	77	155262	48.395	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100937	49.164	ug/l	99
28) Bromochloromethane	7.55	49	41913	49.067	ug/l	96
29) Tetrahydrofuran	7.57	42	31997	202.326	ug/l	97
30) Chloroform	7.71	83	177726	49.431	ug/l	98
31) Cyclohexane	7.99	56	91152	40.486	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	183385	48.318	ug/l	99
36) 1,1-Dichloropropene	8.11	75	115446	47.295	ug/l	99
37) Ethyl Acetate	7.30	43	16810	25.552	ug/l #	82
38) Carbon Tetrachloride	8.10	117	172419	46.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	93099	32.184	ug/l	99
40) Benzene	8.36	78	325587	48.746	ug/l	99
41) Methacrylonitrile	7.53	41	13865m	43.827	ug/l	
42) 1,2-Dichloroethane	8.43	62	109670	46.070	ug/l	100
43) Isopropyl Acetate	8.46	43	38468	29.718	ug/l #	58
44) Trichloroethene	9.11	130	108093	47.070	ug/l	94
45) 1,2-Dichloropropane	9.39	63	64938	47.370	ug/l	89
46) Dibromomethane	9.48	93	41019	43.036	ug/l	92
47) Bromodichloromethane	9.67	83	128546	47.308	ug/l	100
48) Methyl methacrylate	9.46	41	34271	52.139	ug/l	94
49) 1,4-Dioxane	9.46	88	9016	827.841	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	124988	204.012	ug/l	98
52) Toluene	10.41	92	219658	47.038	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	102078	43.525	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	121367	47.575	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	55670	42.679	ug/l	96
56) Ethyl methacrylate	10.67	69	33068	24.917	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	90676	43.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	144259	238.883	ug/l	100
59) 2-Hexanone	10.98	43	79473	184.014	ug/l	98
60) Dibromochloromethane	11.14	129	87758	44.632	ug/l	98
61) 1,2-Dibromoethane	11.25	107	52203	40.698	ug/l	98
64) Tetrachloroethene	10.88	164	83196	42.395	ug/l	98
65) Chlorobenzene	11.67	112	226866	45.701	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	101051	49.909	ug/l	94
67) Ethyl Benzene	11.75	91	397400	46.994	ug/l	95
68) m/p-Xylenes	11.86	106	305089	91.497	ug/l	100
69) o-Xylene	12.18	106	139831	47.237	ug/l	99
70) Styrene	12.20	104	228757	44.442	ug/l	99
71) Bromoform	12.37	173	46899	43.759	ug/l #	99
73) Isopropylbenzene	12.48	105	364029	53.469	ug/l	98
74) N-amyl acetate	12.29	43	22356	26.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	46042	51.223	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	36357m	50.429	ug/l	
77) Bromobenzene	12.77	156	88290	52.163	ug/l	97
78) n-propylbenzene	12.83	91	360188	47.733	ug/l	99
79) 2-Chlorotoluene	12.91	91	216517	48.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	293995	49.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14770	49.006	ug/l #	93
82) 4-Chlorotoluene	13.01	91	224551	47.419	ug/l	100
83) tert-Butylbenzene	13.23	119	244805	48.804	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	285485	48.704	ug/l	98
85) sec-Butylbenzene	13.41	105	265580	39.669	ug/l	99
86) p-Isopropyltoluene	13.52	119	264734	40.346	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136830	41.908	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	135302	41.422	ug/l	99
89) n-Butylbenzene	13.85	91	165214	30.307	ug/l	99
90) Hexachloroethane	14.11	117	49829	41.133	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	117607	41.532	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8524	45.439	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	50551	25.521	ug/l	99
94) Hexachlorobutadiene	15.27	225	20268	15.681	ug/l	96
95) Naphthalene	15.40	128	103755	32.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	40596	23.732	ug/l	99

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

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