

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067842.D
 Acq On : 02 Dec 2020 18:15
 Operator : VA/SY
 Sample : L4880-03MS
 Misc : 4.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:51 AM

Quant Time: Dec 03 01:57:19 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	7.98	168	132534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	181204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	82015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	91925	64.61	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.22%
35) Dibromofluoromethane	7.92	113	75433	56.23	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.46%
50) Toluene-d8	10.34	98	243970	50.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.04%
62) 4-Bromofluorobenzene	12.64	95	80212	48.04	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59342	51.449	ug/l	98
3) Chloromethane	2.21	50	28880	43.386	ug/l	94
4) Vinyl Chloride	2.35	62	42453	50.639	ug/l	98
5) Bromomethane	2.78	94	53350	71.286	ug/l	97
6) Chloroethane	2.93	64	28407	52.044	ug/l #	88
7) Trichlorofluoromethane	3.28	101	121684	47.434	ug/l	92
8) Diethyl Ether	3.71	74	30023	60.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	52910	45.231	ug/l	98
10) Methyl Iodide	4.30	142	38308	30.896	ug/l	99
11) Tert butyl alcohol	5.20	59	23251m	338.042	ug/l	
12) 1,1-Dichloroethene	4.07	96	54006	49.175	ug/l	89
13) Acrolein	3.93	56	4717	86.271	ug/l #	58
14) Allyl chloride	4.72	41	54134	53.282	ug/l	97
15) Acrylonitrile	5.42	53	55832	322.037	ug/l	99
16) Acetone	4.16	43	49485	281.460	ug/l	98
17) Carbon Disulfide	4.41	76	141553	46.165	ug/l	98
18) Methyl Acetate	4.71	43	73408	225.028	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	159847	67.972	ug/l	98
20) Methylene Chloride	4.97	84	72217	64.611	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	63117	50.505	ug/l	92
22) Diisopropyl ether	6.36	45	124755	61.052	ug/l	96
23) Vinyl Acetate	6.36	43	133149m	117.128	ug/l	
24) 1,1-Dichloroethane	6.27	63	100165	55.919	ug/l	99
25) 2-Butanone	7.22	43	58515	316.428	ug/l	92
26) 2,2-Dichloropropane	7.21	77	105751	49.509	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	75554	55.274	ug/l	97
28) Bromochloromethane	7.55	49	37773	66.418	ug/l	94
29) Tetrahydrofuran	7.57	42	36697	348.523	ug/l	96
30) Chloroform	7.71	83	129454	54.079	ug/l	98
31) Cyclohexane	7.99	56	55701	37.158	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	124357	49.213	ug/l	99
36) 1,1-Dichloropropene	8.11	75	76442	44.043	ug/l	98
37) Ethyl Acetate	7.30	43	11615	24.830	ug/l #	80
38) Carbon Tetrachloride	8.10	117	117926	44.906	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59343	28.852	ug/l	96
40) Benzene	8.36	78	236287	49.754	ug/l	99
41) Methacrylonitrile	7.52	41	13581	62.233	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	97929	57.856	ug/l	98
43) Isopropyl Acetate	8.46	43	31690	34.431	ug/l #	58
44) Trichloroethene	9.11	130	72429	44.358	ug/l	99
45) 1,2-Dichloropropane	9.39	63	51261	52.590	ug/l #	88
46) Dibromomethane	9.48	93	39251	57.917	ug/l	95
47) Bromodichloromethane	9.67	83	103641	53.643	ug/l	99
48) Methyl methacrylate	9.46	41	32906	70.408	ug/l	98
49) 1,4-Dioxane	9.47	88	9469	1222.774	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	132365	303.857	ug/l	99
52) Toluene	10.41	92	158162	47.634	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	91049	54.599	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	100050	55.158	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	52535	56.644	ug/l	93
56) Ethyl methacrylate	10.66	69	26247	27.815	ug/l #	71
57) 1,3-Dichloropropane	10.95	76	83502	56.838	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	145195	338.145	ug/l	100
59) 2-Hexanone	10.98	43	83242	271.071	ug/l	98
60) Dibromochloromethane	11.14	129	79841	57.108	ug/l	99
61) 1,2-Dibromoethane	11.25	107	52356	57.405	ug/l	100
64) Tetrachloroethene	10.88	164	54673	36.990	ug/l	99
65) Chlorobenzene	11.67	112	172668	46.181	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	78276	51.329	ug/l	95
67) Ethyl Benzene	11.75	91	273659	42.966	ug/l	99
68) m/p-Xylenes	11.86	106	215835	85.940	ug/l	98
69) o-Xylene	12.18	106	103037	46.213	ug/l	100
70) Styrene	12.20	104	174966	45.130	ug/l	99
71) Bromoform	12.37	173	46053	57.051	ug/l #	96
73) Isopropylbenzene	12.48	105	244204	43.297	ug/l	99
74) N-amyl acetate	12.29	43	19261	27.608	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	48810	65.549	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	30934m	51.793	ug/l	
77) Bromobenzene	12.77	156	72854	51.957	ug/l	96
78) n-propylbenzene	12.83	91	244985	39.190	ug/l	99
79) 2-Chlorotoluene	12.91	91	152979	41.598	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	205333	42.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14564	58.331	ug/l	93
82) 4-Chlorotoluene	13.01	91	163451	41.665	ug/l	99
83) tert-Butylbenzene	13.23	119	158478	38.137	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	207290	42.688	ug/l	97
85) sec-Butylbenzene	13.40	105	173962	31.365	ug/l	99
86) p-Isopropyltoluene	13.52	119	174089	32.027	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	102383	37.852	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107066	39.566	ug/l	99
89) n-Butylbenzene	13.85	91	110175	24.397	ug/l	99
90) Hexachloroethane	14.11	117	33142	33.024	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	98252	41.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10309	66.336	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	43484	26.499	ug/l	95
94) Hexachlorobutadiene	15.27	225	14044	13.116	ug/l	96
95) Naphthalene	15.41	128	104107	38.989	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	36633	25.851	ug/l	97

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

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