

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064566.D
 Acq On : 23 Dec 2019 14:09
 Operator : VA/SY
 Sample : K6396-04MS
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:13 AM

Quant Time: Dec 24 06:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	24504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	38154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	39516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	17839	80.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.86%	
35) Dibromofluoromethane	7.93	113	15902	66.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.30%	
50) Toluene-d8	10.34	98	46641	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.64	95	17947	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	8201	36.937	ug/l	98
3) Chloromethane	2.20	50	14610	52.171	ug/l	100
4) Vinyl Chloride	2.35	62	13369	41.347	ug/l	96
5) Bromomethane	2.77	94	15928	66.613	ug/l	91
6) Chloroethane	2.92	64	11589	53.623	ug/l	90
7) Trichlorofluoromethane	3.27	101	21283	39.595	ug/l	96
8) Diethyl Ether	3.71	74	9859	88.265	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11316	49.099	ug/l #	15
10) Methyl Iodide	4.29	142	12538	51.515	ug/l	98
11) Tert butyl alcohol	5.24	59	15343	1086.729	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	10352	46.870	ug/l	88
13) Acrolein	3.93	56	12423	645.103	ug/l	99
14) Allyl chloride	4.72	41	22292	64.672	ug/l	91
15) Acrylonitrile	5.42	53	45987	941.502	ug/l	99
16) Acetone	4.16	43	63241	1410.976	ug/l	95
17) Carbon Disulfide	4.40	76	29202	41.746	ug/l #	94
18) Methyl Acetate	4.72	43	31559	241.390	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	49480	97.664	ug/l	95
20) Methylene Chloride	4.96	84	19718	90.154	ug/l	90
21) trans-1,2-Dichloroethene	5.48	96	13270	53.115	ug/l	87
22) Diisopropyl ether	6.36	45	45715	67.182	ug/l #	95
23) Vinyl Acetate	6.31	43	120739	300.977	ug/l	96
24) 1,1-Dichloroethane	6.27	63	24917	60.889	ug/l	100
25) 2-Butanone	7.22	43	68157	1075.272	ug/l	98
26) 2,2-Dichloropropane	7.21	77	20230	56.845	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	17458	64.095	ug/l	95
28) Bromochloromethane	7.56	49	11903	85.112	ug/l	94
29) Tetrahydrofuran	7.57	42	39331	975.288	ug/l	97
30) Chloroform	7.71	83	26162	61.730	ug/l	87
31) Cyclohexane	7.98	56	16248	45.021	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	20082	51.110	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15818	43.831	ug/l	93
37) Ethyl Acetate	7.30	43	24444	159.629	ug/l #	93
38) Carbon Tetrachloride	8.10	117	17325	45.486	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16276	36.358	ug/l	93
40) Benzene	8.35	78	53138	53.015	ug/l	95
41) Methacrylonitrile	7.53	41	11478m	130.702	ug/l	
42) 1,2-Dichloroethane	8.43	62	24108	82.476	ug/l	98
43) Isopropyl Acetate	8.46	43	36738	122.019	ug/l	95
44) Trichloroethene	9.11	130	15418	51.065	ug/l	97
45) 1,2-Dichloropropane	9.39	63	15589	65.032	ug/l	92
46) Dibromomethane	9.48	93	12196	90.144	ug/l	96
47) Bromodichloromethane	9.66	83	23838	68.572	ug/l #	93
48) Methyl methacrylate	9.46	41	18739	136.012	ug/l	88
49) 1,4-Dioxane	9.47	88	7790	4662.747	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	116807	784.078	ug/l	99
52) Toluene	10.40	92	34415	52.685	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	25720	77.632	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	25434	64.621	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16703	90.161	ug/l	90
56) Ethyl methacrylate	10.66	69	23060	97.594	ug/l	98
57) 1,3-Dichloropropane	10.95	76	27553	87.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	43250	459.169	ug/l	99
59) 2-Hexanone	10.99	43	90525	875.726	ug/l	98
60) Dibromochloromethane	11.14	129	20181	80.345	ug/l	96
61) 1,2-Dibromoethane	11.25	107	17849	96.496	ug/l	98
64) Tetrachloroethene	10.88	164	16312	54.132	ug/l	93
65) Chlorobenzene	11.67	112	39702	48.172	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	16880	55.326	ug/l	97
67) Ethyl Benzene	11.75	91	61149	41.700	ug/l	99
68) m/p-Xylenes	11.86	106	46093	82.438	ug/l	97
69) o-Xylene	12.18	106	23219	44.965	ug/l	99
70) Styrene	12.20	104	42759	47.651	ug/l	99
71) Bromoform	12.36	173	16096	88.180	ug/l #	100
73) Isopropylbenzene	12.48	105	56423	37.042	ug/l	97
74) N-amyl acetate	12.29	43	25514	73.801	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	23823	94.576	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19258m	110.571	ug/l	
77) Bromobenzene	12.76	156	19715	52.412	ug/l	89
78) n-propylbenzene	12.83	91	65770	37.423	ug/l	99
79) 2-Chlorotoluene	12.91	91	38953	40.280	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	48376	38.864	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	7218	90.366	ug/l	91
82) 4-Chlorotoluene	13.01	91	45119	44.066	ug/l	98
83) tert-Butylbenzene	13.23	119	39583	36.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	49009	39.156	ug/l	99
85) sec-Butylbenzene	13.41	105	51778	34.861	ug/l	99
86) p-Isopropyltoluene	13.53	119	49491	35.295	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	32784	45.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31932	45.303	ug/l	95
89) n-Butylbenzene	13.85	91	45923	36.064	ug/l	98
90) Hexachloroethane	14.12	117	11063	42.182	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	30893	50.633	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5178	145.985	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	22606	48.379	ug/l	94
94) Hexachlorobutadiene	15.28	225	10169	35.252	ug/l	97
95) Naphthalene	15.41	128	64704	82.973	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	22944	57.523	ug/l	97

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

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