

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064471.D
 Acq On : 09 Dec 2019 13:08
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

apatel
 12/10/2019 4:06:49 PM

Quant Time: Dec 10 02:51:57 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	417631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	569681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203397	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.92	113	200316	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.34	98	747323	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.64	95	241955	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76492	20.214	ug/l	96
3) Chloromethane	2.21	50	99923	20.936	ug/l	99
4) Vinyl Chloride	2.35	62	112241	20.368	ug/l	98
5) Bromomethane	2.76	94	78970	19.378	ug/l	99
6) Chloroethane	2.92	64	73813	20.039	ug/l	99
7) Trichlorofluoromethane	3.27	101	186402	20.347	ug/l	96
8) Diethyl Ether	3.71	74	41701	21.905	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82135	20.910	ug/l	98
10) Methyl Iodide	4.29	142	78300	18.876	ug/l	97
11) Tert butyl alcohol	5.24	59	26346	109.489	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	76953	20.443	ug/l	99
13) Acrolein	3.92	56	33604	102.385	ug/l	100
14) Allyl chloride	4.71	41	122716	20.889	ug/l	99
15) Acrylonitrile	5.43	53	92065	110.592	ug/l	99
16) Acetone	4.16	43	85455	111.867	ug/l	96
17) Carbon Disulfide	4.40	76	240521	20.174	ug/l	98
18) Methyl Acetate	4.72	43	53591	24.051	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	188729	21.857	ug/l	94
20) Methylene Chloride	4.96	84	91225	20.917	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	89649	21.054	ug/l	97
22) Diisopropyl ether	6.37	45	248882	21.460	ug/l	100
23) Vinyl Acetate	6.31	43	740528	108.311	ug/l	100
24) 1,1-Dichloroethane	6.26	63	148048	21.227	ug/l	96
25) 2-Butanone	7.22	43	117179	108.468	ug/l	97
26) 2,2-Dichloropropane	7.21	77	130314	21.485	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98433	21.204	ug/l	98
28) Bromochloromethane	7.54	49	42477	17.821	ug/l	95
29) Tetrahydrofuran	7.57	42	79722	115.990	ug/l	98
30) Chloroform	7.71	83	154835	21.436	ug/l	98
31) Cyclohexane	7.98	56	141167	20.474	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	140631	21.000	ug/l	100
36) 1,1-Dichloropropene	8.11	75	119934	20.213	ug/l	99
37) Ethyl Acetate	7.30	43	53959	21.431	ug/l	99
38) Carbon Tetrachloride	8.09	117	125670	20.067	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	146682	19.929	ug/l	97
40) Benzene	8.35	78	329482	19.993	ug/l	99
41) Methacrylonitrile	7.53	41	27959	19.364	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	102652	21.359	ug/l	98
43) Isopropyl Acetate	8.46	43	104777	21.165	ug/l	99
44) Trichloroethene	9.11	130	100157	20.176	ug/l	89
45) 1,2-Dichloropropane	9.39	63	82718	20.987	ug/l	94
46) Dibromomethane	9.48	93	47083	21.166	ug/l	99
47) Bromodichloromethane	9.66	83	119718	20.945	ug/l	99
48) Methyl methacrylate	9.46	41	50473	22.281	ug/l	94
49) 1,4-Dioxane	9.46	88	11328	412.387	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	264582	108.019	ug/l	99
52) Toluene	10.40	92	214171	19.941	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	114983	21.108	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	134260	20.747	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65662	21.557	ug/l	92
56) Ethyl methacrylate	10.66	69	81272	20.920	ug/l	98
57) 1,3-Dichloropropane	10.94	76	111486	21.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	174210	112.488	ug/l	98
59) 2-Hexanone	10.98	43	178660	105.117	ug/l	100
60) Dibromochloromethane	11.14	129	85223	20.636	ug/l	98
61) 1,2-Dibromoethane	11.25	107	64049	21.060	ug/l	99
64) Tetrachloroethene	10.87	164	87137	20.058	ug/l	97
65) Chlorobenzene	11.67	112	230234	19.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88915	20.215	ug/l	97
67) Ethyl Benzene	11.75	91	400545	18.947	ug/l	99
68) m/p-Xylenes	11.85	106	313844	38.936	ug/l	99
69) o-Xylene	12.18	106	145254	19.512	ug/l	99
70) Styrene	12.20	104	255144	19.723	ug/l	98
71) Bromoform	12.36	173	54082	20.552	ug/l #	97
73) Isopropylbenzene	12.48	105	390535	19.144	ug/l	100
74) N-amyl acetate	12.29	43	94226	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	69363	20.561	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51238m	21.966	ug/l	
77) Bromobenzene	12.77	156	99486	19.749	ug/l	96
78) n-propylbenzene	12.83	91	450589	19.144	ug/l	100
79) 2-Chlorotoluene	12.91	91	248146	19.160	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	317813	19.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22253	20.802	ug/l	98
82) 4-Chlorotoluene	13.01	91	267838	19.532	ug/l	99
83) tert-Butylbenzene	13.23	119	274451	18.937	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	324803	19.376	ug/l	99
85) sec-Butylbenzene	13.41	105	382433	19.226	ug/l	98
86) p-Isopropyltoluene	13.52	119	349457	18.609	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	183462	19.188	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185097	19.608	ug/l	99
89) n-Butylbenzene	13.85	91	324088	19.004	ug/l	99
90) Hexachloroethane	14.12	117	66084	18.814	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	161643	19.782	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11204	19.560	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	123068	19.666	ug/l	98
94) Hexachlorobutadiene	15.28	225	71144	18.415	ug/l	97
95) Naphthalene	15.41	128	204401	19.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106678	19.970	ug/l	98

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

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