

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066557.D
 Acq On : 04 Sep 2020 12:32
 Operator : VA/SY
 Sample : VD0904SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:50 PM

Quant Time: Sep 05 03:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	368413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	548007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	238032	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.91	113	218136	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	801238	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.63	95	265954	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75013	22.488	ug/l	89
3) Chloromethane	2.21	50	102178	21.931	ug/l	97
4) Vinyl Chloride	2.35	62	110774	21.437	ug/l	99
5) Bromomethane	2.76	94	72031	19.251	ug/l #	76
6) Chloroethane	2.91	64	67685	20.622	ug/l	95
7) Trichlorofluoromethane	3.27	101	159109	20.843	ug/l	96
8) Diethyl Ether	3.70	74	37999	19.767	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84937	20.558	ug/l	98
10) Methyl Iodide	4.30	142	66569	20.266	ug/l	98
11) Tert butyl alcohol	5.21	59	37885	110.550	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	77833	20.969	ug/l	91
13) Acrolein	3.93	56	18601	102.059	ug/l	85
14) Allyl chloride	4.71	41	123867	20.362	ug/l	98
15) Acrylonitrile	5.41	53	86661	104.945	ug/l #	88
16) Acetone	4.16	43	88035	107.339	ug/l	98
17) Carbon Disulfide	4.41	76	255962	20.977	ug/l	97
18) Methyl Acetate	4.71	43	40055	20.487	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181993	20.908	ug/l	93
20) Methylene Chloride	4.96	84	104404	19.294	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	88423	20.061	ug/l	97
22) Diisopropyl ether	6.36	45	268291	21.447	ug/l	97
23) Vinyl Acetate	6.30	43	753534	105.851	ug/l	98
24) 1,1-Dichloroethane	6.26	63	164533	20.915	ug/l	98
25) 2-Butanone	7.21	43	115231	104.663	ug/l	99
26) 2,2-Dichloropropane	7.20	77	150218	20.817	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95535	20.155	ug/l	97
28) Bromochloromethane	7.54	49	56945	18.802	ug/l	99
29) Tetrahydrofuran	7.56	42	72020	105.035	ug/l	99
30) Chloroform	7.70	83	174018	20.909	ug/l	98
31) Cyclohexane	7.99	56	149137	20.509	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157397	20.115	ug/l	100
36) 1,1-Dichloropropene	8.11	75	130925	20.661	ug/l	98
37) Ethyl Acetate	7.29	43	53110	21.048	ug/l	99
38) Carbon Tetrachloride	8.09	117	140084	20.914	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143223	20.241	ug/l	99
40) Benzene	8.34	78	352831	20.330	ug/l	96
41) Methacrylonitrile	7.52	41	23858	19.533	ug/l #	60
42) 1,2-Dichloroethane	8.42	62	117029	20.812	ug/l	99
43) Isopropyl Acetate	8.44	43	100056	20.691	ug/l	99
44) Trichloroethene	9.11	130	94160	20.683	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90240	20.676	ug/l	94
46) Dibromomethane	9.47	93	47437	19.700	ug/l	96
47) Bromodichloromethane	9.66	83	132411	20.325	ug/l	96
48) Methyl methacrylate	9.45	41	51135	20.913	ug/l	95
49) 1,4-Dioxane	9.46	88	11410	431.917	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	250905	102.883	ug/l	99
52) Toluene	10.40	92	226167	20.587	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118493	20.604	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	140864	20.396	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65042	21.008	ug/l	96
56) Ethyl methacrylate	10.66	69	72739	20.178	ug/l	93
57) 1,3-Dichloropropane	10.94	76	114276	21.073	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190692	115.653	ug/l	98
59) 2-Hexanone	10.98	43	172085	104.929	ug/l	100
60) Dibromochloromethane	11.14	129	87581	21.392	ug/l	97
61) 1,2-Dibromoethane	11.24	107	62632	20.794	ug/l	98
64) Tetrachloroethene	10.87	164	73881	20.023	ug/l	93
65) Chlorobenzene	11.67	112	236229	20.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	89928	20.833	ug/l	97
67) Ethyl Benzene	11.74	91	424950	20.462	ug/l	98
68) m/p-Xylenes	11.85	106	318026	41.242	ug/l	97
69) o-Xylene	12.18	106	140942	20.394	ug/l	99
70) Styrene	12.20	104	250943	20.887	ug/l	99
71) Bromoform	12.36	173	44068	20.257	ug/l #	96
73) Isopropylbenzene	12.48	105	395327	20.811	ug/l	100
74) N-amyl acetate	12.29	43	92564	21.514	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	68441	20.394	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46810m	18.970	ug/l	
77) Bromobenzene	12.76	156	86732	20.479	ug/l	99
78) n-propylbenzene	12.82	91	486944	21.145	ug/l	99
79) 2-Chlorotoluene	12.91	91	273557	21.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	338680	21.183	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22459	21.249	ug/l	97
82) 4-Chlorotoluene	13.01	91	292622	21.182	ug/l	100
83) tert-Butylbenzene	13.23	119	271863	20.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	335806	21.095	ug/l	98
85) sec-Butylbenzene	13.40	105	387084	20.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	357002	21.086	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	175298	20.849	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	172375	20.426	ug/l	98
89) n-Butylbenzene	13.85	91	338275	20.503	ug/l	99
90) Hexachloroethane	14.11	117	74256	20.355	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	151956	20.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12283	21.546	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90847	20.598	ug/l	97
94) Hexachlorobutadiene	15.27	225	52374	19.766	ug/l	97
95) Naphthalene	15.41	128	154754	20.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78568	20.895	ug/l	98

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

