

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065995.D
 Acq On : 22 Jul 2020 12:16
 Operator : VA/SY
 Sample : VD0722SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:33 PM

Quant Time: Jul 22 15:51:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	348670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147210	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.91	113	157605	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	610903	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.64	95	207663	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59271	22.400	ug/l	98
3) Chloromethane	2.21	50	48248	22.344	ug/l	97
4) Vinyl Chloride	2.35	62	44930	21.849	ug/l	95
5) Bromomethane	2.76	94	33075	19.845	ug/l	83
6) Chloroethane	2.92	64	27786	22.636	ug/l	91
7) Trichlorofluoromethane	3.27	101	108560	21.704	ug/l	94
8) Diethyl Ether	3.70	74	28499	20.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65863	21.808	ug/l	100
10) Methyl Iodide	4.30	142	61877	25.520	ug/l	97
11) Tert butyl alcohol	5.21	59	24183	121.547	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	61225	21.238	ug/l	96
13) Acrolein	3.91	56	24502	102.505	ug/l	99
14) Allyl chloride	4.71	41	96957	21.515	ug/l	97
15) Acrylonitrile	5.42	53	61400	103.954	ug/l	98
16) Acetone	4.16	43	52355	91.168	ug/l	97
17) Carbon Disulfide	4.41	76	197091	21.077	ug/l	98
18) Methyl Acetate	4.72	43	27560	20.630	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	127427	21.513	ug/l	99
20) Methylene Chloride	4.96	84	78227	23.037	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	68507	21.026	ug/l	98
22) Diisopropyl ether	6.36	45	194045	22.665	ug/l	98
23) Vinyl Acetate	6.30	43	526718	109.089	ug/l	99
24) 1,1-Dichloroethane	6.26	63	114086	21.993	ug/l	98
25) 2-Butanone	7.21	43	76468	100.351	ug/l	100
26) 2,2-Dichloropropane	7.20	77	103825	22.257	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	74427	21.575	ug/l	98
28) Bromochloromethane	7.54	49	45403	20.622	ug/l	95
29) Tetrahydrofuran	7.56	42	49323	104.907	ug/l	99
30) Chloroform	7.71	83	118703	21.876	ug/l	96
31) Cyclohexane	7.98	56	104515	20.479	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	110499	22.015	ug/l	98
36) 1,1-Dichloropropene	8.11	75	94313	21.531	ug/l	99
37) Ethyl Acetate	7.29	43	36170	21.621	ug/l	96
38) Carbon Tetrachloride	8.10	117	101185	21.289	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	111802	21.076	ug/l	95
40) Benzene	8.35	78	267030	21.790	ug/l	96
41) Methacrylonitrile	7.52	41	14912	15.561	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	73102	21.769	ug/l	99
43) Isopropyl Acetate	8.45	43	66765	20.434	ug/l	100
44) Trichloroethene	9.11	130	79589	21.461	ug/l	91
45) 1,2-Dichloropropane	9.39	63	64602	21.766	ug/l	96
46) Dibromomethane	9.48	93	34711	21.725	ug/l	96
47) Bromodichloromethane	9.66	83	90801	21.493	ug/l	98
48) Methyl methacrylate	9.46	41	32002	19.417	ug/l	93
49) 1,4-Dioxane	9.46	88	7706	416.290	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	174912	106.247	ug/l	99
52) Toluene	10.41	92	177128	22.164	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	85351	21.685	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	102835	21.554	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	47329	20.886	ug/l	93
56) Ethyl methacrylate	10.66	69	56397	21.406	ug/l	98
57) 1,3-Dichloropropane	10.95	76	83453	22.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	140542	111.668	ug/l	98
59) 2-Hexanone	10.99	43	115646	101.368	ug/l	95
60) Dibromochloromethane	11.14	129	66945	21.911	ug/l	100
61) 1,2-Dibromoethane	11.25	107	46647	21.350	ug/l	96
64) Tetrachloroethene	10.88	164	69305	21.107	ug/l	96
65) Chlorobenzene	11.67	112	192683	21.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	70439	21.538	ug/l	96
67) Ethyl Benzene	11.75	91	328074	21.523	ug/l	98
68) m/p-Xylenes	11.86	106	263972	45.056	ug/l	98
69) o-Xylene	12.18	106	118064	22.156	ug/l	100
70) Styrene	12.20	104	206868	22.595	ug/l	99
71) Bromoform	12.36	173	40907	21.353	ug/l #	98
73) Isopropylbenzene	12.48	105	322184	21.793	ug/l	100
74) N-amyl acetate	12.29	43	62448	20.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51398	21.037	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	31552m	17.151	ug/l	
77) Bromobenzene	12.77	156	84736	22.427	ug/l	95
78) n-propylbenzene	12.83	91	379469	22.120	ug/l	100
79) 2-Chlorotoluene	12.91	91	216688	22.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	271551	22.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16803	20.959	ug/l	99
82) 4-Chlorotoluene	13.01	91	235758	22.790	ug/l	99
83) tert-Butylbenzene	13.23	119	235588	22.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	267244	22.302	ug/l	100
85) sec-Butylbenzene	13.41	105	317869	21.713	ug/l	98
86) p-Isopropyltoluene	13.52	119	305223	22.949	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155604	22.183	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	156092	22.012	ug/l	100
89) n-Butylbenzene	13.85	91	267639	21.642	ug/l	99
90) Hexachloroethane	14.12	117	58561	21.269	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	132600	21.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8137	20.321	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	96226	22.055	ug/l	99
94) Hexachlorobutadiene	15.28	225	57638	21.368	ug/l	99
95) Naphthalene	15.41	128	144831	20.889	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	82423	21.730	ug/l	99

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

