

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065194.D
 Acq On : 17 Feb 2020 14:06
 Operator : VA/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:15 AM

Quant Time: Feb 18 03:33:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	412653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	570210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193802	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	7.92	113	200190	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
50) Toluene-d8	10.34	98	793032	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
62) 4-Bromofluorobenzene	12.64	95	248650	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68877	20.058	ug/l	93
3) Chloromethane	2.21	50	89325	22.098	ug/l	100
4) Vinyl Chloride	2.35	62	89730	20.989	ug/l	99
5) Bromomethane	2.76	94	55508	20.025	ug/l	100
6) Chloroethane	2.92	64	58189	21.943	ug/l	98
7) Trichlorofluoromethane	3.27	101	131727	21.173	ug/l	100
8) Diethyl Ether	3.70	74	38314	21.452	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84844	22.308	ug/l	99
10) Methyl Iodide	4.29	142	76913	17.717	ug/l	98
11) Tert butyl alcohol	5.24	59	20961	97.818	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	79462	21.815	ug/l	94
13) Acrolein	3.92	56	20835	79.051	ug/l	98
14) Allyl chloride	4.71	41	128677	21.255	ug/l	96
15) Acrylonitrile	5.43	53	85298	109.239	ug/l	99
16) Acetone	4.16	43	77787	88.711	ug/l	93
17) Carbon Disulfide	4.40	76	251441	21.499	ug/l	99
18) Methyl Acetate	4.73	43	43964	23.998	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	163137	20.253	ug/l	99
20) Methylene Chloride	4.96	84	100931	24.100	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	90280	21.907	ug/l	92
22) Diisopropyl ether	6.36	45	253590	22.208	ug/l	97
23) Vinyl Acetate	6.31	43	645984	101.494	ug/l	97
24) 1,1-Dichloroethane	6.26	63	161509	23.367	ug/l	99
25) 2-Butanone	7.22	43	104833	100.226	ug/l	94
26) 2,2-Dichloropropane	7.21	77	133779	21.594	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	95763	21.873	ug/l	98
28) Bromochloromethane	7.54	49	53150	20.286	ug/l	100
29) Tetrahydrofuran	7.57	42	65133	102.972	ug/l	98
30) Chloroform	7.71	83	162607	23.628	ug/l	94
31) Cyclohexane	7.98	56	141419	20.269	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	142375	22.209	ug/l	99
36) 1,1-Dichloropropene	8.11	75	126045	21.637	ug/l	99
37) Ethyl Acetate	7.30	43	47346	19.894	ug/l	98
38) Carbon Tetrachloride	8.09	117	130142	21.873	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141261	19.645	ug/l	97
40) Benzene	8.35	78	359399	22.341	ug/l	100
41) Methacrylonitrile	7.53	41	24329	18.555	ug/l	93
42) 1,2-Dichloroethane	8.43	62	96486	21.049	ug/l	95
43) Isopropyl Acetate	8.46	43	89767	19.718	ug/l	97
44) Trichloroethene	9.11	130	97610	21.139	ug/l	98
45) 1,2-Dichloropropane	9.39	63	87430	22.668	ug/l	95
46) Dibromomethane	9.48	93	44991	22.198	ug/l	98
47) Bromodichloromethane	9.66	83	120364	22.539	ug/l	98
48) Methyl methacrylate	9.46	41	41714	19.041	ug/l	95
49) 1,4-Dioxane	9.47	88	10136	422.232	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	225799	100.763	ug/l	100
52) Toluene	10.41	92	229333	22.336	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	110210	21.196	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	132621	21.326	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63551	22.860	ug/l	95
56) Ethyl methacrylate	10.67	69	68426	19.453	ug/l	98
57) 1,3-Dichloropropane	10.95	76	108540	22.203	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	111334	85.452	ug/l	100
59) 2-Hexanone	10.99	43	154975	97.636	ug/l	100
60) Dibromochloromethane	11.14	129	82666	22.958	ug/l	100
61) 1,2-Dibromoethane	11.25	107	60171	22.151	ug/l	98
64) Tetrachloroethene	10.88	164	85286	20.815	ug/l	96
65) Chlorobenzene	11.67	112	242997	22.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88283	21.689	ug/l	98
67) Ethyl Benzene	11.75	91	415781	20.751	ug/l	99
68) m/p-Xylenes	11.86	106	328937	43.012	ug/l	99
69) o-Xylene	12.18	106	140604	20.416	ug/l	97
70) Styrene	12.20	104	258364	21.585	ug/l	99
71) Bromoform	12.37	173	46423	21.189	ug/l #	96
73) Isopropylbenzene	12.48	105	390903	20.351	ug/l	100
74) N-amyl acetate	12.30	43	77562	18.578	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	66969	22.153	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32935m	15.545	ug/l	
77) Bromobenzene	12.77	156	97493	21.067	ug/l	98
78) n-propylbenzene	12.83	91	481398	21.401	ug/l	100
79) 2-Chlorotoluene	12.91	91	263851	21.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	326113	20.753	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21561	20.352	ug/l	96
82) 4-Chlorotoluene	13.01	91	280171	21.276	ug/l	99
83) tert-Butylbenzene	13.23	119	269884	19.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	326355	20.920	ug/l	99
85) sec-Butylbenzene	13.41	105	392054	21.174	ug/l	99
86) p-Isopropyltoluene	13.53	119	357220	20.764	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	187823	21.677	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186628	21.641	ug/l	99
89) n-Butylbenzene	13.86	91	330374	20.806	ug/l	99
90) Hexachloroethane	14.12	117	71338	21.899	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	158885	21.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10024	20.313	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106000	19.983	ug/l	99
94) Hexachlorobutadiene	15.28	225	66562	20.408	ug/l	99
95) Naphthalene	15.41	128	160206	18.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	93340	20.572	ug/l	97

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

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