

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067859.D
 Acq On : 03 Dec 2020 11:01
 Operator : VA/SY
 Sample : VD1203SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:26:30 AM

Quant Time: Dec 03 14:29:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	229737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	119227	48.34	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.68%
35) Dibromofluoromethane	7.92	113	108285	49.14	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.28%
50) Toluene-d8	10.34	98	404367	50.97	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.94%
62) 4-Bromofluorobenzene	12.64	95	145121	52.91	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	39338	19.676	ug/l 91
3) Chloromethane	2.21	50	22156	19.202	ug/l 92
4) Vinyl Chloride	2.36	62	27812	19.139	ug/l 100
5) Bromomethane	2.76	94	34639	26.701	ug/l 96
6) Chloroethane	2.93	64	19985	21.122	ug/l 99
7) Trichlorofluoromethane	3.28	101	90415	20.333	ug/l 99
8) Diethyl Ether	3.71	74	16373	18.891	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	40584	20.015	ug/l 95
10) Methyl Iodide	4.31	142	29514	13.732	ug/l 97
11) Tert butyl alcohol	5.20	59	17599	105.651	ug/l # 74
12) 1,1-Dichloroethene	4.07	96	37499	19.698	ug/l 89
13) Acrolein	3.92	56	8424	88.882	ug/l 94
14) Allyl chloride	4.72	41	35070	19.913	ug/l 95
15) Acrylonitrile	5.42	53	30937	102.943	ug/l 94
16) Acetone	4.15	43	30017	98.493	ug/l 96
17) Carbon Disulfide	4.41	76	104468	19.655	ug/l 100
18) Methyl Acetate	4.71	43	11510	19.683	ug/l 94
19) Methyl tert-butyl Ether	5.48	73	81785	20.063	ug/l 93
20) Methylene Chloride	4.97	84	49644	22.923	ug/l 94
21) trans-1,2-Dichloroethene	5.48	96	44655	20.614	ug/l 97
22) Diisopropyl ether	6.37	45	74790	21.115	ug/l 95
23) Vinyl Acetate	6.31	43	204835	103.950	ug/l 97
24) 1,1-Dichloroethane	6.27	63	62494	20.127	ug/l 94
25) 2-Butanone	7.21	43	32063	100.025	ug/l 93
26) 2,2-Dichloropropane	7.21	77	78121	21.099	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	49174	20.754	ug/l 99
28) Bromochloromethane	7.55	49	18228	18.490	ug/l 94
29) Tetrahydrofuran	7.56	42	17919	98.177	ug/l 91
30) Chloroform	7.71	83	82839	19.964	ug/l 90
31) Cyclohexane	7.98	56	50012	19.247	ug/l # 89
32) 1,1,1-Trichloroethane	7.91	97	89507	20.434	ug/l 99
36) 1,1-Dichloropropene	8.11	75	59137	20.743	ug/l 98
37) Ethyl Acetate	7.30	43	15552	20.240	ug/l # 89
38) Carbon Tetrachloride	8.10	117	87218	20.219	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	68177	20.179	ug/l	94
40) Benzene	8.36	78	159874	20.494	ug/l	98
41) Methacrylonitrile	7.53	41	7284	17.008	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	57218	20.579	ug/l	99
43) Isopropyl Acetate	8.46	43	29207	19.318	ug/l	93
44) Trichloroethene	9.11	130	55400	20.655	ug/l	94
45) 1,2-Dichloropropane	9.39	63	32869	20.529	ug/l #	88
46) Dibromomethane	9.48	93	22667	20.362	ug/l	96
47) Bromodichloromethane	9.67	83	64098	20.197	ug/l	95
48) Methyl methacrylate	9.46	41	14886	19.390	ug/l	97
49) 1,4-Dioxane	9.47	88	5021	394.722	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	69505	97.134	ug/l	93
52) Toluene	10.41	92	116299	21.323	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	58057	21.195	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	62908	21.113	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	30320	19.902	ug/l	90
56) Ethyl methacrylate	10.66	69	30654	19.776	ug/l	99
57) 1,3-Dichloropropane	10.95	76	48405	20.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	65002	92.159	ug/l	100
59) 2-Hexanone	10.99	43	50506	100.125	ug/l	97
60) Dibromochloromethane	11.14	129	48432	21.089	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30198	20.157	ug/l	98
64) Tetrachloroethene	10.88	164	49265	19.986	ug/l	96
65) Chlorobenzene	11.67	112	126566	20.298	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	53000	20.840	ug/l	96
67) Ethyl Benzene	11.75	91	219839	20.696	ug/l	99
68) m/p-Xylenes	11.86	106	178158	42.536	ug/l	97
69) o-Xylene	12.18	106	79213	21.303	ug/l	99
70) Styrene	12.20	104	143089	22.131	ug/l	97
71) Bromoform	12.36	173	27833	20.675	ug/l #	98
73) Isopropylbenzene	12.48	105	234317	20.696	ug/l	96
74) N-amyl acetate	12.29	43	25114	17.933	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	28123	18.815	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	23714m	19.780	ug/l	
77) Bromobenzene	12.77	156	56565	20.097	ug/l	97
78) n-propylbenzene	12.83	91	255232	20.340	ug/l	99
79) 2-Chlorotoluene	12.91	91	145196	19.669	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	200526	20.457	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8941	17.839	ug/l	96
82) 4-Chlorotoluene	13.01	91	157669	20.022	ug/l	100
83) tert-Butylbenzene	13.23	119	170434	20.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	198272	20.341	ug/l	95
85) sec-Butylbenzene	13.41	105	219760	19.739	ug/l	100
86) p-Isopropyltoluene	13.52	119	219531	20.119	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	110650	20.379	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	108155	19.911	ug/l	98
89) n-Butylbenzene	13.84	91	179204	19.769	ug/l	98
90) Hexachloroethane	14.11	117	38704	19.213	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	95502	20.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6163	19.756	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70106	21.283	ug/l	97
94) Hexachlorobutadiene	15.27	225	40980	19.066	ug/l	97
95) Naphthalene	15.40	128	108669	20.274	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	59931	21.068	ug/l	99

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

