

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067919.D
 Acq On : 09 Dec 2020 11:10
 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

MMDadoda
 12/10/2020 10:19:28 AM

Quant Time: Dec 10 03:31:18 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	191286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	249112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100551	48.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.92%
35) Dibromofluoromethane	7.92	113	87681	48.50	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.00%
50) Toluene-d8	10.34	98	324717	49.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.80%
62) 4-Bromofluorobenzene	12.64	95	117536	52.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	32542	19.548	ug/l	96
3) Chloromethane	2.21	50	20092	20.913	ug/l #	87
4) Vinyl Chloride	2.36	62	24838	20.528	ug/l	94
5) Bromomethane	2.77	94	23905	22.131	ug/l #	81
6) Chloroethane	2.93	64	16686	21.181	ug/l	95
7) Trichlorofluoromethane	3.28	101	75647	20.431	ug/l	96
8) Diethyl Ether	3.71	74	14243	19.737	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	34648	20.522	ug/l	99
10) Methyl Iodide	4.31	142	31952	17.855	ug/l	97
11) Tert butyl alcohol	5.20	59	13659m	93.426	ug/l	
12) 1,1-Dichloroethene	4.07	96	30921	19.507	ug/l	84
13) Acrolein	3.93	56	5723	72.522	ug/l	98
14) Allyl chloride	4.72	41	28186	19.222	ug/l	92
15) Acrylonitrile	5.43	53	24074	96.209	ug/l #	84
16) Acetone	4.16	43	23470	92.491	ug/l	98
17) Carbon Disulfide	4.41	76	83235	18.808	ug/l	98
18) Methyl Acetate	4.71	43	8508	17.391	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	72122	21.249	ug/l	100
20) Methylene Chloride	4.97	84	41411	22.973	ug/l #	80
21) trans-1,2-Dichloroethene	5.46	96	37042	20.537	ug/l	82
22) Diisopropyl ether	6.36	45	61376	20.811	ug/l	92
23) Vinyl Acetate	6.31	43	161668	98.535	ug/l	96
24) 1,1-Dichloroethane	6.26	63	52830	20.435	ug/l	98
25) 2-Butanone	7.21	43	23196	86.909	ug/l	93
26) 2,2-Dichloropropane	7.21	77	65618	21.284	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	41287	20.928	ug/l	97
28) Bromochloromethane	7.54	49	14894	18.145	ug/l #	95
29) Tetrahydrofuran	7.57	42	14147	93.091	ug/l	97
30) Chloroform	7.71	83	73878	21.383	ug/l	99
31) Cyclohexane	7.98	56	41574	19.216	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	79425	21.777	ug/l	99
36) 1,1-Dichloropropene	8.11	75	50612	21.640	ug/l	98
37) Ethyl Acetate	7.29	43	10211	16.199	ug/l #	80
38) Carbon Tetrachloride	8.10	117	77086	21.783	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57769	20.843	ug/l	92
40) Benzene	8.36	78	136970	21.402	ug/l	98
41) Methacrylonitrile	7.53	41	6458m	18.779	ug/l	
42) 1,2-Dichloroethane	8.43	62	50103	21.966	ug/l	99
43) Isopropyl Acetate	8.46	43	22716	18.315	ug/l	93
44) Trichloroethene	9.11	130	48004	21.817	ug/l	91
45) 1,2-Dichloropropane	9.39	63	25901	19.719	ug/l	97
46) Dibromomethane	9.48	93	19826	21.709	ug/l	95
47) Bromodichloromethane	9.67	83	57867	22.226	ug/l	97
48) Methyl methacrylate	9.46	41	11562	18.358	ug/l	92
49) 1,4-Dioxane	9.46	88	4083	391.269	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	55993	95.386	ug/l	98
52) Toluene	10.40	92	94740	21.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	46703	20.783	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	52155	21.337	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	25156	20.128	ug/l	88
56) Ethyl methacrylate	10.67	69	23774	18.696	ug/l	98
57) 1,3-Dichloropropane	10.95	76	39694	20.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	49345	85.280	ug/l	98
59) 2-Hexanone	10.99	43	37259	90.038	ug/l	98
60) Dibromochloromethane	11.14	129	40117	21.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	23534	19.148	ug/l	93
64) Tetrachloroethene	10.88	164	42855	21.090	ug/l	91
65) Chlorobenzene	11.67	112	110562	21.510	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	45477	21.692	ug/l	96
67) Ethyl Benzene	11.75	91	186524	21.302	ug/l	98
68) m/p-Xylenes	11.86	106	154128	44.640	ug/l	96
69) o-Xylene	12.18	106	68629	22.390	ug/l	98
70) Styrene	12.20	104	115431	21.657	ug/l	97
71) Bromoform	12.36	173	23382	21.070	ug/l #	98
73) Isopropylbenzene	12.48	105	197425	21.964	ug/l	98
74) N-amyl acetate	12.29	43	21297	19.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	22858	19.262	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18231m	19.154	ug/l	
77) Bromobenzene	12.77	156	48114	21.531	ug/l	97
78) n-propylbenzene	12.83	91	216336	21.715	ug/l	100
79) 2-Chlorotoluene	12.91	91	125684	21.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	175334	22.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7751	19.479	ug/l	96
82) 4-Chlorotoluene	13.01	91	135383	21.655	ug/l	99
83) tert-Butylbenzene	13.23	119	149392	22.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	172274	22.261	ug/l	98
85) sec-Butylbenzene	13.41	105	187915	21.260	ug/l	98
86) p-Isopropyltoluene	13.52	119	189887	21.920	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91869	21.312	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	89694	20.799	ug/l	98
89) n-Butylbenzene	13.84	91	153623	21.345	ug/l	99
90) Hexachloroethane	14.11	117	32743	20.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	79874	21.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5071	20.475	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57026	21.806	ug/l	100
94) Hexachlorobutadiene	15.27	225	37140	21.765	ug/l	98
95) Naphthalene	15.41	128	87168	20.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	49387	21.868	ug/l	97

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

