

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067447.D
 Acq On : 29 Oct 2020 13:02
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:53 PM

Quant Time: Oct 30 02:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	313645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	472724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	436403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	154497	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.91	113	162198	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.34	98	572512	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.64	95	205049	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54214	18.806	ug/l	98
3) Chloromethane	2.21	50	36614	18.549	ug/l	96
4) Vinyl Chloride	2.35	62	40869	18.870	ug/l	99
5) Bromomethane	2.76	94	32599	20.231	ug/l	89
6) Chloroethane	2.92	64	26408	19.579	ug/l	92
7) Trichlorofluoromethane	3.27	101	113429	20.799	ug/l	96
8) Diethyl Ether	3.70	74	25341	20.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61413	21.195	ug/l	98
10) Methyl Iodide	4.30	142	53519	20.023	ug/l	96
11) Tert butyl alcohol	5.22	59	20333	96.456	ug/l	96
12) 1,1-Dichloroethene	4.07	96	53070	20.502	ug/l	94
13) Acrolein	3.92	56	8622	63.596	ug/l	98
14) Allyl chloride	4.71	41	59229	19.980	ug/l	98
15) Acrylonitrile	5.43	53	42126	101.166	ug/l	98
16) Acetone	4.16	43	48173	109.466	ug/l	91
17) Carbon Disulfide	4.41	76	140224	19.002	ug/l	99
18) Methyl Acetate	4.72	43	20566	20.489	ug/l #	66
19) Methyl tert-butyl Ether	5.47	73	104436	20.290	ug/l	96
20) Methylene Chloride	4.97	84	68484	21.759	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	64178	21.544	ug/l	87
22) Diisopropyl ether	6.37	45	118191	21.826	ug/l #	95
23) Vinyl Acetate	6.30	43	317344	103.006	ug/l	96
24) 1,1-Dichloroethane	6.27	63	101939	21.991	ug/l	97
25) 2-Butanone	7.21	43	52306	104.270	ug/l	98
26) 2,2-Dichloropropane	7.21	77	102254	21.401	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	70327	21.541	ug/l	99
28) Bromochloromethane	7.55	49	31214	19.742	ug/l	99
29) Tetrahydrofuran	7.57	42	27409	98.293	ug/l	92
30) Chloroform	7.71	83	121203	21.887	ug/l	89
31) Cyclohexane	7.99	56	73461	20.298	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	114337	21.044	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84475	21.084	ug/l	100
37) Ethyl Acetate	7.30	43	22447	19.042	ug/l	97
38) Carbon Tetrachloride	8.10	117	106789	20.854	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87749	20.949	ug/l	94
40) Benzene	8.35	78	230716	20.990	ug/l	99
41) Methacrylonitrile	7.54	41	15547m	24.406	ug/l	
42) 1,2-Dichloroethane	8.43	62	72383	21.042	ug/l	99
43) Isopropyl Acetate	8.46	43	47944	20.497	ug/l	98
44) Trichloroethene	9.12	130	76235	21.662	ug/l	97
45) 1,2-Dichloropropane	9.38	63	54477	21.385	ug/l	95
46) Dibromomethane	9.48	93	32275	20.335	ug/l	98
47) Bromodichloromethane	9.67	83	89585	21.067	ug/l	95
48) Methyl methacrylate	9.46	41	22610	19.890	ug/l	98
49) 1,4-Dioxane	9.47	88	6929	433.925	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	120401	103.200	ug/l	99
52) Toluene	10.41	92	162444	21.698	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78381	20.982	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	90357	20.668	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	46533	21.500	ug/l	97
56) Ethyl methacrylate	10.67	69	45035	20.063	ug/l	99
57) 1,3-Dichloropropane	10.95	76	71776	20.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117301	101.867	ug/l	98
59) 2-Hexanone	10.99	43	82742	103.788	ug/l	100
60) Dibromochloromethane	11.14	129	67353	21.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45196	21.182	ug/l	100
64) Tetrachloroethene	10.88	164	67919	21.481	ug/l	97
65) Chlorobenzene	11.67	112	183344	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	72962	21.937	ug/l	99
67) Ethyl Benzene	11.75	91	314199	21.903	ug/l	97
68) m/p-Xylenes	11.86	106	246628	44.646	ug/l	96
69) o-Xylene	12.18	106	108302	21.172	ug/l	97
70) Styrene	12.20	104	194245	22.059	ug/l	100
71) Bromoform	12.37	173	38165	21.359	ug/l #	96
73) Isopropylbenzene	12.48	105	308580	22.127	ug/l	99
74) N-amyl acetate	12.30	43	45006	21.368	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	45659	21.368	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	34767m	22.829	ug/l	
77) Bromobenzene	12.77	156	76922	22.125	ug/l	100
78) n-propylbenzene	12.83	91	362149	22.413	ug/l	99
79) 2-Chlorotoluene	12.91	91	202114	21.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271965	22.442	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14301	21.295	ug/l	96
82) 4-Chlorotoluene	13.01	91	218687	21.990	ug/l	100
83) tert-Butylbenzene	13.23	119	234913	22.948	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	270131	22.553	ug/l	100
85) sec-Butylbenzene	13.41	105	318244	22.657	ug/l	98
86) p-Isopropyltoluene	13.52	119	297101	22.409	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	148489	22.189	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	150995	22.774	ug/l	99
89) n-Butylbenzene	13.85	91	253544	21.738	ug/l	98
90) Hexachloroethane	14.12	117	52712	22.784	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	129588	22.167	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8170	21.046	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88316	22.406	ug/l	96
94) Hexachlorobutadiene	15.28	225	53778	21.971	ug/l	96
95) Naphthalene	15.41	128	129126	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74054	21.748	ug/l	98

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

