

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065736.D
 Acq On : 14 May 2020 12:05
 Operator : VA/SY
 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 15 06:20:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	514565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	138820	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.91	113	148336	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.34	98	568393	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.64	95	186756	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	44378	19.248	ug/l	100
3) Chloromethane	2.21	50	66484	20.120	ug/l	99
4) Vinyl Chloride	2.34	62	72979	20.396	ug/l	98
5) Bromomethane	2.76	94	49898	21.107	ug/l	97
6) Chloroethane	2.91	64	48824	21.038	ug/l	93
7) Trichlorofluoromethane	3.27	101	100223	20.261	ug/l	94
8) Diethyl Ether	3.71	74	28485	20.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62397	20.522	ug/l	99
10) Methyl Iodide	4.30	142	54168	17.054	ug/l	100
11) Tert butyl alcohol	5.21	59	28453	88.364	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	59265	20.551	ug/l	96
13) Acrolein	3.91	56	19090	111.964	ug/l	99
14) Allyl chloride	4.71	41	100302	20.116	ug/l	99
15) Acrylonitrile	5.41	53	60536	96.412	ug/l	99
16) Acetone	4.16	43	53013	91.263	ug/l	96
17) Carbon Disulfide	4.40	76	184143	20.217	ug/l	99
18) Methyl Acetate	4.71	43	28889	19.547	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	131274	19.512	ug/l	100
20) Methylene Chloride	4.96	84	72387	22.089	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	68227	20.548	ug/l	94
22) Diisopropyl ether	6.36	45	191900	20.215	ug/l	96
23) Vinyl Acetate	6.30	43	542243	97.117	ug/l	99
24) 1,1-Dichloroethane	6.26	63	113118	20.352	ug/l	99
25) 2-Butanone	7.21	43	78249	94.236	ug/l	94
26) 2,2-Dichloropropane	7.21	77	104839	20.323	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	75313	20.699	ug/l	99
28) Bromochloromethane	7.54	49	42652	18.665	ug/l	98
29) Tetrahydrofuran	7.56	42	50154	95.266	ug/l	100
30) Chloroform	7.71	83	115059	20.484	ug/l	97
31) Cyclohexane	7.98	56	114294	20.315	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	109011	20.717	ug/l	98
36) 1,1-Dichloropropene	8.11	75	94943	21.246	ug/l	99
37) Ethyl Acetate	7.30	43	38832	20.284	ug/l	97
38) Carbon Tetrachloride	8.10	117	101791	21.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117790	20.568	ug/l	98
40) Benzene	8.35	78	258647	21.049	ug/l	99
41) Methacrylonitrile	7.52	41	18395	17.447	ug/l	91
42) 1,2-Dichloroethane	8.43	62	69840	20.413	ug/l	98
43) Isopropyl Acetate	8.45	43	72755	19.174	ug/l	98
44) Trichloroethene	9.11	130	77849	21.162	ug/l	99
45) 1,2-Dichloropropane	9.39	63	63151	20.844	ug/l	98
46) Dibromomethane	9.48	93	33216	20.332	ug/l	98
47) Bromodichloromethane	9.67	83	86674	20.269	ug/l #	97
48) Methyl methacrylate	9.46	41	37495	21.051	ug/l	96
49) 1,4-Dioxane	9.46	88	7276	377.470	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	178387	98.240	ug/l	99
52) Toluene	10.41	92	170798	21.217	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	83582	20.008	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	103429	20.815	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	45438	20.417	ug/l	98
56) Ethyl methacrylate	10.66	69	57137	19.698	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	80127	20.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	128524	95.240	ug/l	100
59) 2-Hexanone	10.98	43	119983	97.032	ug/l	99
60) Dibromochloromethane	11.14	129	62119	20.843	ug/l	99
61) 1,2-Dibromoethane	11.25	107	44466	20.005	ug/l	99
64) Tetrachloroethene	10.88	164	65880	20.740	ug/l	97
65) Chlorobenzene	11.67	112	180097	20.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	66086	20.391	ug/l	98
67) Ethyl Benzene	11.75	91	327019	21.187	ug/l	98
68) m/p-Xylenes	11.86	106	249769	42.368	ug/l	100
69) o-Xylene	12.18	106	115450	21.037	ug/l	97
70) Styrene	12.20	104	196195	20.948	ug/l	98
71) Bromoform	12.36	173	36057	20.158	ug/l #	99
73) Isopropylbenzene	12.48	105	325867	21.943	ug/l	99
74) N-amyl acetate	12.29	43	68821	19.959	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47849	20.357	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	37786m	22.888	ug/l	
77) Bromobenzene	12.77	156	74412	20.788	ug/l	99
78) n-propylbenzene	12.83	91	374153	21.568	ug/l	99
79) 2-Chlorotoluene	12.91	91	207811	21.650	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	260429	21.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16752	19.907	ug/l	96
82) 4-Chlorotoluene	13.01	91	217427	21.485	ug/l	99
83) tert-Butylbenzene	13.23	119	232393	21.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	256751	21.276	ug/l	100
85) sec-Butylbenzene	13.41	105	318297	21.558	ug/l	99
86) p-Isopropyltoluene	13.52	119	293942	21.660	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	142967	21.294	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	141684	21.187	ug/l	97
89) n-Butylbenzene	13.85	91	271500	21.395	ug/l	100
90) Hexachloroethane	14.12	117	57414	21.625	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	120463	20.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7821	19.898	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90277	20.435	ug/l	98
94) Hexachlorobutadiene	15.28	225	55013	20.771	ug/l	100
95) Naphthalene	15.41	128	144760	19.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76947	20.429	ug/l	99

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

