

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065439.D
 Acq On : 05 Mar 2020 18:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:35 AM

Quant Time: Mar 06 04:16:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	666165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	605720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	198072	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.92	113	207257	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.34	98	804957	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	254798	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	166500	43.206	ug/l	97
3) Chloromethane	2.21	50	211437	45.445	ug/l	99
4) Vinyl Chloride	2.35	62	213638	46.554	ug/l	97
5) Bromomethane	2.77	94	139481	54.692	ug/l	98
6) Chloroethane	2.93	64	133933	47.653	ug/l	98
7) Trichlorofluoromethane	3.27	101	319134	47.196	ug/l	100
8) Diethyl Ether	3.71	74	103114	51.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204864	47.041	ug/l	99
10) Methyl Iodide	4.30	142	232244	51.331	ug/l	98
11) Tert butyl alcohol	5.25	59	50338	228.161	ug/l	96
12) 1,1-Dichloroethene	4.06	96	194653	46.678	ug/l	98
13) Acrolein	3.93	56	92637	243.465	ug/l	99
14) Allyl chloride	4.71	41	315820	49.300	ug/l	99
15) Acrylonitrile	5.43	53	233773	267.226	ug/l	100
16) Acetone	4.17	43	180700	232.296	ug/l	100
17) Carbon Disulfide	4.40	76	649859	46.795	ug/l	98
18) Methyl Acetate	4.72	43	101580	51.479	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	438024	54.620	ug/l	97
20) Methylene Chloride	4.96	84	228328	54.351	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	230820	49.757	ug/l	98
22) Diisopropyl ether	6.37	45	654879	54.992	ug/l	97
23) Vinyl Acetate	6.31	43	1868476	282.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	386497	50.600	ug/l	99
25) 2-Butanone	7.23	43	275832	259.840	ug/l	99
26) 2,2-Dichloropropane	7.21	77	319334	47.840	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	244522	51.569	ug/l	99
28) Bromochloromethane	7.55	49	166057	54.338	ug/l	98
29) Tetrahydrofuran	7.57	42	187452	276.513	ug/l	98
30) Chloroform	7.71	83	396381	51.919	ug/l	97
31) Cyclohexane	7.98	56	357604	46.820	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	346992	49.181	ug/l	99
36) 1,1-Dichloropropene	8.11	75	315909	49.472	ug/l	99
37) Ethyl Acetate	7.30	43	132976	53.877	ug/l	98
38) Carbon Tetrachloride	8.10	117	324386	48.988	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	375282	48.659	ug/l	95
40) Benzene	8.36	78	899666	50.390	ug/l	99
41) Methacrylonitrile	7.54	41	75255	57.654	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	244395	52.421	ug/l	100
43) Isopropyl Acetate	8.46	43	236686	51.936	ug/l	99
44) Trichloroethene	9.11	130	249214	49.427	ug/l	99
45) 1,2-Dichloropropane	9.39	63	224070	51.811	ug/l	96
46) Dibromomethane	9.48	93	117073	52.188	ug/l	98
47) Bromodichloromethane	9.67	83	304583	52.190	ug/l	99
48) Methyl methacrylate	9.46	41	114201	53.273	ug/l	99
49) 1,4-Dioxane	9.47	88	27518	1072.406	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	642840	280.311	ug/l	99
52) Toluene	10.41	92	577080	51.308	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	290834	53.326	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	349705	52.973	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	164665	51.826	ug/l	99
56) Ethyl methacrylate	10.67	69	200060	55.853	ug/l	97
57) 1,3-Dichloropropane	10.95	76	284432	52.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	276554	247.061	ug/l	100
59) 2-Hexanone	10.99	43	438520	276.229	ug/l	99
60) Dibromochloromethane	11.14	129	215188	52.836	ug/l	98
61) 1,2-Dibromoethane	11.25	107	160297	52.892	ug/l	98
64) Tetrachloroethene	10.88	164	212357	48.926	ug/l	97
65) Chlorobenzene	11.67	112	612551	51.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	227491	52.111	ug/l	97
67) Ethyl Benzene	11.75	91	1071458	51.733	ug/l	99
68) m/p-Xylenes	11.86	106	837210	104.834	ug/l	100
69) o-Xylene	12.18	106	374304	53.283	ug/l	99
70) Styrene	12.20	104	670553	54.237	ug/l	99
71) Bromoform	12.37	173	128218	52.289	ug/l #	99
73) Isopropylbenzene	12.48	105	1011622	50.711	ug/l	100
74) N-amyl acetate	12.30	43	223537	54.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	183250	52.260	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	135682m	56.695	ug/l	
77) Bromobenzene	12.77	156	255783	51.608	ug/l	98
78) n-propylbenzene	12.83	91	1213196	51.256	ug/l	99
79) 2-Chlorotoluene	12.91	91	671651	50.350	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	839755	51.204	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	57480	50.685	ug/l	96
82) 4-Chlorotoluene	13.01	91	717651	51.196	ug/l	100
83) tert-Butylbenzene	13.23	119	706978	50.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	842019	52.086	ug/l	99
85) sec-Butylbenzene	13.41	105	994690	50.225	ug/l	99
86) p-Isopropyltoluene	13.53	119	924973	51.183	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	474734	49.821	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	465199	49.079	ug/l	100
89) n-Butylbenzene	13.85	91	842414	50.422	ug/l	100
90) Hexachloroethane	14.12	117	182438	49.020	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	417455	51.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27257	51.040	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283188	51.527	ug/l	98
94) Hexachlorobutadiene	15.28	225	174232	48.247	ug/l	99
95) Naphthalene	15.41	128	478820	48.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	247551	52.125	ug/l	98

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

