

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065523.D
 Acq On : 24 Mar 2020 17:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:40:09 AM

Quant Time: Mar 25 03:09:58 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	437129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	621378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	567693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196946	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.92	113	214754	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
50) Toluene-d8	10.34	98	795547	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	12.64	95	261823	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	163499	43.521	ug/l	96
3) Chloromethane	2.21	50	200532	44.212	ug/l	100
4) Vinyl Chloride	2.35	62	218197	48.773	ug/l	97
5) Bromomethane	2.77	94	142339	57.499	ug/l	99
6) Chloroethane	2.93	64	141680	51.709	ug/l	100
7) Trichlorofluoromethane	3.27	101	336643	51.069	ug/l	97
8) Diethyl Ether	3.70	74	106316	54.233	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224182	52.804	ug/l	99
10) Methyl Iodide	4.30	142	261468	59.280	ug/l	96
11) Tert butyl alcohol	5.24	59	52639	244.741	ug/l #	95
12) 1,1-Dichloroethene	4.06	96	206759	50.859	ug/l	98
13) Acrolein	3.92	56	100246	270.254	ug/l	100
14) Allyl chloride	4.71	41	323571	51.812	ug/l	99
15) Acrylonitrile	5.43	53	240399	281.884	ug/l	99
16) Acetone	4.16	43	211352	278.704	ug/l	96
17) Carbon Disulfide	4.40	76	613772	45.336	ug/l	99
18) Methyl Acetate	4.72	43	105473	54.830	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	452806	57.919	ug/l	100
20) Methylene Chloride	4.96	84	234352	57.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	237244	52.460	ug/l	97
22) Diisopropyl ether	6.37	45	665974	57.366	ug/l	98
23) Vinyl Acetate	6.31	43	1893888	293.806	ug/l	100
24) 1,1-Dichloroethane	6.27	63	400231	53.748	ug/l	98
25) 2-Butanone	7.22	43	283969	274.401	ug/l	98
26) 2,2-Dichloropropane	7.21	77	353719	54.358	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	259941	56.234	ug/l	97
28) Bromochloromethane	7.55	49	161701	54.277	ug/l	97
29) Tetrahydrofuran	7.57	42	186504	282.206	ug/l	98
30) Chloroform	7.71	83	417610	56.110	ug/l	99
31) Cyclohexane	7.98	56	360704	48.444	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	376003	54.667	ug/l	99
36) 1,1-Dichloropropene	8.11	75	319181	53.587	ug/l	98
37) Ethyl Acetate	7.30	43	131875	57.282	ug/l	99
38) Carbon Tetrachloride	8.10	117	343110	55.551	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	394107	54.783	ug/l	96
40) Benzene	8.36	78	929896	55.838	ug/l	99
41) Methacrylonitrile	7.53	41	76626	62.936	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	254464	58.515	ug/l	100
43) Isopropyl Acetate	8.46	43	241185	56.738	ug/l	98
44) Trichloroethene	9.11	130	264898	56.325	ug/l	97
45) 1,2-Dichloropropane	9.39	63	232164	57.551	ug/l	96
46) Dibromomethane	9.48	93	122751	58.663	ug/l	97
47) Bromodichloromethane	9.67	83	319643	58.718	ug/l	97
48) Methyl methacrylate	9.46	41	114031	57.028	ug/l	97
49) 1,4-Dioxane	9.47	88	28468	1189.393	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	643222	300.693	ug/l	99
52) Toluene	10.41	92	600887	57.275	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299747	58.922	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	364814	59.245	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	174780	58.975	ug/l	97
56) Ethyl methacrylate	10.67	69	209548	62.719	ug/l	98
57) 1,3-Dichloropropane	10.95	76	295418	58.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	261583	250.500	ug/l	98
59) 2-Hexanone	10.99	43	448273	302.725	ug/l	99
60) Dibromochloromethane	11.14	129	230210	60.599	ug/l	100
61) 1,2-Dibromoethane	11.25	107	166570	58.924	ug/l	99
64) Tetrachloroethene	10.88	164	231478	56.904	ug/l	98
65) Chlorobenzene	11.68	112	647063	57.598	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	244636	59.792	ug/l	98
67) Ethyl Benzene	11.75	91	1130433	58.236	ug/l	100
68) m/p-Xylenes	11.86	106	887038	118.514	ug/l	99
69) o-Xylene	12.18	106	398263	60.491	ug/l	99
70) Styrene	12.20	104	709831	61.260	ug/l	99
71) Bromoform	12.37	173	138015	60.054	ug/l #	97
73) Isopropylbenzene	12.48	105	1088213	56.369	ug/l	100
74) N-amyl acetate	12.30	43	223533	56.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186912	55.081	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	123671m	53.399	ug/l	
77) Bromobenzene	12.77	156	275290	57.395	ug/l	96
78) n-propylbenzene	12.83	91	1289286	56.287	ug/l	100
79) 2-Chlorotoluene	12.91	91	712484	55.191	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904521	56.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	64244	58.538	ug/l	97
82) 4-Chlorotoluene	13.01	91	751444	55.394	ug/l	98
83) tert-Butylbenzene	13.23	119	765602	57.019	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	901290	57.611	ug/l	100
85) sec-Butylbenzene	13.41	105	1076134	56.148	ug/l	98
86) p-Isopropyltoluene	13.53	119	1014060	57.983	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	516184	55.977	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	505290	55.085	ug/l	99
89) n-Butylbenzene	13.86	91	914399	56.554	ug/l	99
90) Hexachloroethane	14.12	117	199106	55.282	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	441844	56.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28472	55.092	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	311011	58.475	ug/l	99
94) Hexachlorobutadiene	15.28	225	203165	58.135	ug/l	99
95) Naphthalene	15.41	128	507443	53.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272670	59.327	ug/l	100

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

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