

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064877.D
 Acq On : 17 Jan 2020 21:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:34 AM

Quant Time: Jan 18 00:04:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	390631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	201478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165195	67.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.02%	
35) Dibromofluoromethane	7.92	113	158048	60.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.48%	
50) Toluene-d8	10.34	98	574612	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
62) 4-Bromofluorobenzene	12.64	95	193616	61.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97843	45.034	ug/l	98
3) Chloromethane	2.21	50	165535	54.478	ug/l	98
4) Vinyl Chloride	2.35	62	183936	49.647	ug/l	99
5) Bromomethane	2.77	94	132296	49.111	ug/l	100
6) Chloroethane	2.93	64	135768	54.691	ug/l	94
7) Trichlorofluoromethane	3.27	101	317027	50.821	ug/l	100
8) Diethyl Ether	3.71	74	76907	62.084	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144196	55.815	ug/l	98
10) Methyl Iodide	4.30	142	147962	53.319	ug/l	99
11) Tert butyl alcohol	5.26	59	45336	320.893	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	133721	54.367	ug/l	95
13) Acrolein	3.92	56	28056	142.491	ug/l	99
14) Allyl chloride	4.71	41	231667	60.411	ug/l	99
15) Acrylonitrile	5.44	53	165424	320.599	ug/l	99
16) Acetone	4.17	43	149804	294.286	ug/l	93
17) Carbon Disulfide	4.40	76	384776	48.381	ug/l	97
18) Methyl Acetate	4.73	43	86902	62.615	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	360305	65.952	ug/l	98
20) Methylene Chloride	4.97	84	183911	75.431	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	159576	56.969	ug/l	97
22) Diisopropyl ether	6.37	45	504073	65.902	ug/l	96
23) Vinyl Acetate	6.31	43	1435003	330.730	ug/l	98
24) 1,1-Dichloroethane	6.27	63	297706	64.833	ug/l	98
25) 2-Butanone	7.23	43	218102	321.864	ug/l	94
26) 2,2-Dichloropropane	7.21	77	248385	58.179	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	189290	62.616	ug/l	99
28) Bromochloromethane	7.56	49	112504	63.028	ug/l	99
29) Tetrahydrofuran	7.57	42	135247	320.950	ug/l	98
30) Chloroform	7.71	83	316990	65.798	ug/l	95
31) Cyclohexane	7.98	56	229423	49.913	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	273124	60.358	ug/l	99
36) 1,1-Dichloropropene	8.12	75	225222	55.172	ug/l	98
37) Ethyl Acetate	7.30	43	96029	59.880	ug/l	96
38) Carbon Tetrachloride	8.10	117	244751	56.228	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	245454	49.644	ug/l	93
40) Benzene	8.36	78	660094	59.233	ug/l	99
41) Methacrylonitrile	7.53	41	52728	56.668	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	204173	63.401	ug/l	99
43) Isopropyl Acetate	8.46	43	194046	60.791	ug/l	99
44) Trichloroethene	9.12	130	184359	56.314	ug/l	98
45) 1,2-Dichloropropane	9.39	63	169759	63.801	ug/l	97
46) Dibromomethane	9.48	93	91854	61.918	ug/l	97
47) Bromodichloromethane	9.67	83	246387	62.416	ug/l	96
48) Methyl methacrylate	9.46	41	88760	59.056	ug/l	89
49) 1,4-Dioxane	9.47	88	19437	1136.305	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	493803	312.978	ug/l	99
52) Toluene	10.41	92	424856	58.109	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	229472	62.351	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	266994	61.525	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	125034	62.541	ug/l	98
56) Ethyl methacrylate	10.67	69	156146	62.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	215374	62.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293392	308.427	ug/l	98
59) 2-Hexanone	10.99	43	327942	306.244	ug/l	100
60) Dibromochloromethane	11.14	129	171715	62.110	ug/l	100
61) 1,2-Dibromoethane	11.25	107	118136	59.910	ug/l	100
64) Tetrachloroethene	10.88	164	160226	53.465	ug/l	98
65) Chlorobenzene	11.67	112	461819	56.962	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	184610	60.401	ug/l	99
67) Ethyl Benzene	11.75	91	818997	55.655	ug/l	100
68) m/p-Xylenes	11.86	106	637727	112.278	ug/l	97
69) o-Xylene	12.18	106	292351	56.984	ug/l	100
70) Styrene	12.20	104	533600	59.254	ug/l	99
71) Bromoform	12.37	173	99965	57.353	ug/l #	99
73) Isopropylbenzene	12.48	105	780122	54.182	ug/l	100
74) N-amyl acetate	12.30	43	175045	56.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	130431	57.667	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	83639m	52.570	ug/l	
77) Bromobenzene	12.77	156	197341	55.781	ug/l	98
78) n-propylbenzene	12.83	91	905417	53.903	ug/l	99
79) 2-Chlorotoluene	12.91	91	508153	55.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	644298	54.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	42516	55.890	ug/l	96
82) 4-Chlorotoluene	13.01	91	539538	54.945	ug/l	100
83) tert-Butylbenzene	13.23	119	548715	53.434	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	656673	55.748	ug/l	98
85) sec-Butylbenzene	13.41	105	750128	53.282	ug/l	100
86) p-Isopropyltoluene	13.53	119	723776	53.766	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	375690	55.705	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	365058	55.100	ug/l	99
89) n-Butylbenzene	13.85	91	641743	52.938	ug/l	99
90) Hexachloroethane	14.12	117	140427	54.610	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	330943	57.547	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20084	54.775	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	223249	52.722	ug/l	99
94) Hexachlorobutadiene	15.28	225	133292	50.023	ug/l	98
95) Naphthalene	15.41	128	365754	54.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	197175	54.544	ug/l	99

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

