

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062535.D
 Acq On : 28 May 2019 12:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 10:40:42 AM

Quant Time: May 29 01:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	457565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	616544	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	520391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	283139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	287350	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
35) Dibromofluoromethane	6.94	113	288791	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.42	98	581383	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.56	95	275557	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	217803	50.979	ug/l	98
3) Chloromethane	1.75	50	143614	45.307	ug/l #	87
4) Vinyl Chloride	1.85	62	178269	53.445	ug/l	96
5) Bromomethane	2.16	94	107528	74.707	ug/l	93
6) Chloroethane	2.27	64	105795	65.566	ug/l	99
7) Trichlorofluoromethane	2.54	101	493474	64.030	ug/l	99
8) Diethyl Ether	2.87	74	63884	61.448	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.15	101	247125	53.898	ug/l	97
10) Methyl Iodide	3.31	142	372103	58.203	ug/l #	74
11) Tert butyl alcohol	4.08	59	61720	273.000	ug/l	99
12) 1,1-Dichloroethene	3.13	96	179159	52.871	ug/l #	81
13) Acrolein	3.04	56	47472	252.849	ug/l #	83
14) Allyl chloride	3.62	41	252367	50.510	ug/l #	63
15) Acrylonitrile	4.20	53	131081	253.027	ug/l #	87
16) Acetone	3.23	43	265505	302.500	ug/l #	81
17) Carbon Disulfide	3.38	76	484701	47.230	ug/l	99
18) Methyl Acetate	3.65	43	77687	51.294	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	442777	56.573	ug/l #	90
20) Methylene Chloride	3.82	84	186428	49.751	ug/l #	89
21) trans-1,2-Dichloroethene	4.22	96	186767	47.081	ug/l #	75
22) Diisopropyl ether	5.14	45	539094	50.691	ug/l #	88
23) Vinyl Acetate	5.07	43	1694941	263.755	ug/l	97
24) 1,1-Dichloroethane	5.00	63	346127	50.534	ug/l	98
25) 2-Butanone	6.08	43	240864	262.381	ug/l	92
26) 2,2-Dichloropropane	6.03	77	449230	60.844	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	214400	50.122	ug/l	86
28) Bromochloromethane	6.46	49	118899	48.367	ug/l	98
29) Tetrahydrofuran	6.48	42	109662	250.129	ug/l	99
30) Chloroform	6.68	83	479029	54.858	ug/l	98
31) Cyclohexane	6.97	56	228519	49.414	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	481894	54.662	ug/l	98
36) 1,1-Dichloropropene	7.15	75	328014	55.647	ug/l	92
37) Ethyl Acetate	6.20	43	127454	55.658	ug/l #	91
38) Carbon Tetrachloride	7.13	117	526425m	60.090	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	258601	53.190	ug/l	90
40) Benzene	7.47	78	598593	51.771	ug/l	100
41) Methacrylonitrile	6.47	41	155377	54.025	ug/l #	73
42) 1,2-Dichloroethane	7.59	62	340303	55.581	ug/l	89
43) Isopropyl Acetate	9.25	43	164967	54.304	ug/l #	93
44) Trichloroethene	8.55	130	241639	52.196	ug/l	86
45) 1,2-Dichloropropane	8.96	63	138745	49.240	ug/l	95
46) Dibromomethane	9.07	93	141304	55.323	ug/l	94
47) Bromodichloromethane	9.39	83	355917	54.777	ug/l	98
48) Methyl methacrylate	9.13	41	113626	55.581	ug/l #	81
49) 1,4-Dioxane	9.09	88	21453	1169.936	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	561865	279.971	ug/l	92
52) Toluene	10.52	92	421781	53.286	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	306699	56.696	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	313053	55.461	ug/l #	76
55) 1,1,2-Trichloroethane	11.20	97	142746	53.210	ug/l	95
56) Ethyl methacrylate	11.05	69	152273	53.097	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	218144	53.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	364735	247.679	ug/l	96
59) 2-Hexanone	11.54	43	430805	295.365	ug/l	87
60) Dibromochloromethane	11.69	129	303583	58.918	ug/l	99
61) 1,2-Dibromoethane	11.82	107	171653	51.921	ug/l	96
64) Tetrachloroethene	11.27	164	233618	53.616	ug/l	96
65) Chlorobenzene	12.41	112	489895	48.953	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	267737	57.959	ug/l	93
67) Ethyl Benzene	12.53	91	938595	54.452	ug/l	95
68) m/p-Xylenes	12.68	106	606427	98.010	ug/l	85
69) o-Xylene	13.06	106	290313	49.728	ug/l	87
70) Styrene	13.08	104	490667	49.405	ug/l #	92
71) Bromoform	13.25	173	182769	59.576	ug/l #	99
73) Isopropylbenzene	13.41	105	878879	49.244	ug/l	97
74) N-amyl acetate	13.28	43	243703	55.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	159412	49.510	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	181073	54.294	ug/l	97
77) Bromobenzene	13.68	156	253451	50.061	ug/l	99
78) n-propylbenzene	13.78	91	1135051	54.905	ug/l	96
79) 2-Chlorotoluene	13.85	91	678394	54.074	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	816664	52.848	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	50685	53.887	ug/l #	60
82) 4-Chlorotoluene	13.95	91	752154	52.058	ug/l	90
83) tert-Butylbenzene	14.19	119	906982	52.913	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	819609	51.761	ug/l	88
85) sec-Butylbenzene	14.38	105	945412	52.895	ug/l	100
86) p-Isopropyltoluene	14.50	119	854624	52.763	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	478002	53.463	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	451938	52.383	ug/l	96
89) n-Butylbenzene	14.80	91	818009	52.330	ug/l	94
90) Hexachloroethane	15.02	117	259027	57.865	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	413453	54.383	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34650	56.695	ug/l	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	301896	50.431	ug/l	97
94) Hexachlorobutadiene	16.04	225	238908	54.051	ug/l	99
95) Naphthalene	16.13	128	434468	53.116	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	239129	48.728	ug/l	97

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

