

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061531.D
 Acq On : 2 Apr 2019 23:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 1:03:05 PM

Quant Time: Apr 03 03:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	612941	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1066946	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	923387	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	411204	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	304922	58.24	ug/l	0.04
Spiked Amount	50.000		Recovery	=	116.48%	
35) Dibromofluoromethane	6.94	113	448326	54.99	ug/l	0.04
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.42	98	1109711	56.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	113.50%	
62) 4-Bromofluorobenzene	13.56	95	436795	58.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	320195	48.915	ug/l	97
3) Chloromethane	1.78	50	252217	47.244	ug/l	99
4) Vinyl Chloride	1.87	62	234472	47.834	ug/l	98
5) Bromomethane	2.17	94	43827	45.089	ug/l	93
6) Chloroethane	2.28	64	78867	54.866	ug/l	94
7) Trichlorofluoromethane	2.55	101	368257	51.665	ug/l	100
8) Diethyl Ether	2.89	74	125384	54.635	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.17	101	405627	52.933	ug/l	96
10) Methyl Iodide	3.32	142	560903	48.276	ug/l	99
11) Tert butyl alcohol	4.07	59	107446	329.507	ug/l	100
12) 1,1-Dichloroethene	3.15	96	333826	50.741	ug/l	99
13) Acrolein	3.05	56	54495	216.251	ug/l	94
14) Allyl chloride	3.64	41	495809	54.031	ug/l	98
15) Acrylonitrile	4.21	53	339790	300.231	ug/l	95
16) Acetone	3.23	43	350920	260.714	ug/l	97
17) Carbon Disulfide	3.39	76	939790	43.965	ug/l	99
18) Methyl Acetate	3.65	43	178090	62.929	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	674364	59.215	ug/l	99
20) Methylene Chloride	3.83	84	410262	54.586	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	365626	51.475	ug/l	99
22) Diisopropyl ether	5.13	45	1139518	58.682	ug/l	97
23) Vinyl Acetate	5.08	43	3068853	290.941	ug/l	100
24) 1,1-Dichloroethane	5.01	63	612203	53.645	ug/l	99
25) 2-Butanone	6.08	43	483806	285.744	ug/l	98
26) 2,2-Dichloropropane	6.03	77	466402	51.412	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	421873	54.209	ug/l	96
28) Bromochloromethane	6.45	49	268173	58.214	ug/l #	97
29) Tetrahydrofuran	6.46	42	269740	328.687	ug/l	98
30) Chloroform	6.68	83	660054	55.976	ug/l	99
31) Cyclohexane	6.96	56	437063	48.464	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	562795	54.100	ug/l	95
36) 1,1-Dichloropropene	7.16	75	466663	50.114	ug/l	98
37) Ethyl Acetate	6.19	43	235707	59.185	ug/l	95
38) Carbon Tetrachloride	7.12	117	536079m	50.099	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	505333	52.105	ug/l	96
40) Benzene	7.47	78	1214557	51.969	ug/l	98
41) Methacrylonitrile	6.45	41	295590	63.478	ug/l	98
42) 1,2-Dichloroethane	7.59	62	411503	58.864	ug/l	97
43) Isopropyl Acetate	9.25	43	328551	56.700	ug/l #	99
44) Trichloroethene	8.55	130	467127	53.709	ug/l	99
45) 1,2-Dichloropropane	8.94	63	345645	58.326	ug/l	99
46) Dibromomethane	9.07	93	228662	57.327	ug/l	99
47) Bromodichloromethane	9.39	83	523460	58.471	ug/l	98
48) Methyl methacrylate	9.13	41	199432	62.363	ug/l	96
49) 1,4-Dioxane	9.09	88	45990	1303.838	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1011927	287.044	ug/l	96
52) Toluene	10.51	92	711583	49.908	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	453279	55.728	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	546689	55.198	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	272913	54.733	ug/l	98
56) Ethyl methacrylate	11.05	69	285792	53.353	ug/l	97
57) 1,3-Dichloropropane	11.42	76	405777	55.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	865898	331.935	ug/l	94
59) 2-Hexanone	11.53	43	715622	280.173	ug/l	99
60) Dibromochloromethane	11.69	129	450814	58.647	ug/l	98
61) 1,2-Dibromoethane	11.81	107	319281	55.298	ug/l	99
64) Tetrachloroethene	11.27	164	339755	46.883	ug/l	98
65) Chlorobenzene	12.40	112	932812	49.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	393886	53.908	ug/l	96
67) Ethyl Benzene	12.53	91	1498672	52.030	ug/l	98
68) m/p-Xylenes	12.68	106	995130	91.204	ug/l	96
69) o-Xylene	13.05	106	567348	53.582	ug/l	96
70) Styrene	13.08	104	849087	46.002	ug/l	98
71) Bromoform	13.24	173	255390	55.139	ug/l	96
73) Isopropylbenzene	13.40	105	1424094	49.760	ug/l	99
74) N-amyl acetate	13.27	43	461284	57.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	320653	53.112	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	334618	56.334	ug/l	100
77) Bromobenzene	13.67	156	412892	48.665	ug/l	97
78) n-propylbenzene	13.78	91	1610310	45.978	ug/l	99
79) 2-Chlorotoluene	13.85	91	1002876	52.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1060356	47.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99004	54.665	ug/l	94
82) 4-Chlorotoluene	13.95	91	1036546	50.129	ug/l	88
83) tert-Butylbenzene	14.19	119	1331797	47.992	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1159309	48.224	ug/l	100
85) sec-Butylbenzene	14.37	105	1475670	50.056	ug/l	98
86) p-Isopropyltoluene	14.50	119	1298197	52.076	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	675894	47.043	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	712809	50.874	ug/l	94
89) n-Butylbenzene	14.80	91	1095694	47.887	ug/l	99
90) Hexachloroethane	15.01	117	363114	51.559	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	612095	51.939	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	45733	64.587	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	276351	51.477	ug/l	97
94) Hexachlorobutadiene	16.04	225	204177	48.671	ug/l	99
95) Naphthalene	16.12	128	466517	57.011	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125179	52.989	ug/l	98

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

