

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061599.D
 Acq On : 5 Apr 2019 2:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:32:18 PM

Quant Time: Apr 05 06:48:11 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	7.03	168	493875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	782586	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	704421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	330422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	240849	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
35) Dibromofluoromethane	6.90	113	346793	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
50) Toluene-d8	10.39	98	798790	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	13.54	95	340269	61.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	252801	47.930	ug/l	97
3) Chloromethane	1.75	50	193496	44.983	ug/l	97
4) Vinyl Chloride	1.85	62	189082	47.874	ug/l	99
5) Bromomethane	2.14	94	49185	62.801	ug/l #	94
6) Chloroethane	2.26	64	69855	60.312	ug/l	93
7) Trichlorofluoromethane	2.53	101	320822	55.861	ug/l	99
8) Diethyl Ether	2.86	74	88502	47.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	302873	49.053	ug/l	96
10) Methyl Iodide	3.29	142	447775	47.863	ug/l	95
11) Tert butyl alcohol	4.03	59	71594	272.492	ug/l	99
12) 1,1-Dichloroethene	3.12	96	249268	47.022	ug/l	99
13) Acrolein	3.02	56	41242	201.583	ug/l	97
14) Allyl chloride	3.61	41	379196	51.286	ug/l	95
15) Acrylonitrile	4.17	53	239036	262.126	ug/l	94
16) Acetone	3.20	43	251014	231.449	ug/l	91
17) Carbon Disulfide	3.36	76	702563	40.791	ug/l	99
18) Methyl Acetate	3.62	43	128701	56.441	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	492148	53.633	ug/l	95
20) Methylene Chloride	3.80	84	325932	53.792	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	279070	48.761	ug/l	99
22) Diisopropyl ether	5.10	45	853393	54.543	ug/l	99
23) Vinyl Acetate	5.03	43	2311643	271.989	ug/l	98
24) 1,1-Dichloroethane	4.96	63	469556	51.065	ug/l	99
25) 2-Butanone	6.04	43	369762	271.038	ug/l	99
26) 2,2-Dichloropropane	6.00	77	384843	52.649	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	331268	52.829	ug/l	95
28) Bromochloromethane	6.41	49	200661	54.060	ug/l	93
29) Tetrahydrofuran	6.42	42	185307	280.240	ug/l	100
30) Chloroform	6.64	83	551031	57.996	ug/l	98
31) Cyclohexane	6.94	56	337682	46.472	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	468948	55.946	ug/l	96
36) 1,1-Dichloropropene	7.12	75	361044	52.860	ug/l	99
37) Ethyl Acetate	6.15	43	179998	61.620	ug/l	98
38) Carbon Tetrachloride	7.08	117	437832m	55.785	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	387567	54.482	ug/l	96
40) Benzene	7.43	78	948229	55.316	ug/l	98
41) Methacrylonitrile	6.41	41	213768	62.588	ug/l #	96
42) 1,2-Dichloroethane	7.56	62	319605	62.330	ug/l	97
43) Isopropyl Acetate	9.22	43	269925	63.509	ug/l #	99
44) Trichloroethene	8.52	130	359314	56.325	ug/l	95
45) 1,2-Dichloropropane	8.92	63	237739	54.694	ug/l	97
46) Dibromomethane	9.04	93	178818	61.121	ug/l	97
47) Bromodichloromethane	9.36	83	397153	60.482	ug/l	99
48) Methyl methacrylate	9.09	41	140283	59.806	ug/l	97
49) 1,4-Dioxane	9.06	88	30940	1195.889	ug/l	97
51) 4-Methyl-2-Pentanone	10.28	43	736221	284.720	ug/l	97
52) Toluene	10.49	92	590168	56.433	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	378770	63.488	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	431895	59.452	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	212367	58.066	ug/l	99
56) Ethyl methacrylate	11.02	69	240887	61.310	ug/l	96
57) 1,3-Dichloropropane	11.39	76	286681	53.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	646663	337.967	ug/l	95
59) 2-Hexanone	11.51	43	560396	299.122	ug/l	99
60) Dibromochloromethane	11.67	129	334984	59.413	ug/l	98
61) 1,2-Dibromoethane	11.79	107	243259	57.440	ug/l	99
64) Tetrachloroethene	11.24	164	271627	49.133	ug/l	98
65) Chlorobenzene	12.38	112	715650	49.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	304569	54.641	ug/l	100
67) Ethyl Benzene	12.51	91	1127597	51.316	ug/l	97
68) m/p-Xylenes	12.66	106	787851	94.652	ug/l	95
69) o-Xylene	13.04	106	415295	51.414	ug/l	96
70) Styrene	13.06	104	674224	47.883	ug/l	96
71) Bromoform	13.23	173	182553	51.665	ug/l	97
73) Isopropylbenzene	13.39	105	1139926	49.568	ug/l	99
74) N-amyl acetate	13.26	43	324096	50.590	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	231901	47.802	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	259220	54.309	ug/l	99
77) Bromobenzene	13.66	156	339801	49.841	ug/l	88
78) n-propylbenzene	13.76	91	1306458	46.422	ug/l	93
79) 2-Chlorotoluene	13.83	91	690886	45.212	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	873781	48.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	72457	49.788	ug/l #	91
82) 4-Chlorotoluene	13.94	91	862919	51.935	ug/l	93
83) tert-Butylbenzene	14.18	119	1066188	47.813	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	918919	47.570	ug/l	98
85) sec-Butylbenzene	14.36	105	1143655	48.278	ug/l	97
86) p-Isopropyltoluene	14.48	119	1055672	52.701	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	542729	47.010	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	562293	49.943	ug/l	95
89) n-Butylbenzene	14.79	91	872594	47.461	ug/l	98
90) Hexachloroethane	15.00	117	286455	50.618	ug/l	82
91) 1,2-Dichlorobenzene	14.80	146	462684	48.859	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	34038	59.823	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	225587	52.294	ug/l	96
94) Hexachlorobutadiene	16.03	225	187755	55.699	ug/l	98
95) Naphthalene	16.11	128	391079	59.476	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	105987	55.834	ug/l	97

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

