

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061367.D
 Acq On : 27 Mar 2019 23:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 2:00:52 PM

Quant Time: Mar 28 09:34:56 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	7.02	168	600638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1092801	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	902907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	415839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	273102	53.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	6.89	113	431018	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.38	98	1035442	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	13.54	95	401405	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	360729	56.236	ug/l	99
3) Chloromethane	1.75	50	258223	49.360	ug/l	99
4) Vinyl Chloride	1.84	62	255150	53.119	ug/l	95
5) Bromomethane	2.15	94	65465	68.730	ug/l	98
6) Chloroethane	2.27	64	93935	66.687	ug/l	97
7) Trichlorofluoromethane	2.52	101	401824	57.529	ug/l	99
8) Diethyl Ether	2.86	74	138280	61.489	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	428569	57.073	ug/l	99
10) Methyl Iodide	3.29	142	621364	54.123	ug/l	99
11) Tert butyl alcohol	4.04	59	88785	277.856	ug/l	98
12) 1,1-Dichloroethene	3.11	96	358217	55.563	ug/l	97
13) Acrolein	3.02	56	58312	238.457	ug/l	99
14) Allyl chloride	3.61	41	523373	58.203	ug/l	99
15) Acrylonitrile	4.17	53	335304	302.336	ug/l	96
16) Acetone	3.20	43	348138	263.945	ug/l	99
17) Carbon Disulfide	3.36	76	1091860	52.125	ug/l	99
18) Methyl Acetate	3.62	43	156306	56.363	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	674206	60.414	ug/l	99
20) Methylene Chloride	3.79	84	411312	55.893	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	401763	57.721	ug/l	100
22) Diisopropyl ether	5.08	45	1132653	59.523	ug/l	98
23) Vinyl Acetate	5.02	43	3044075	294.504	ug/l	97
24) 1,1-Dichloroethane	4.95	63	663098	59.295	ug/l	99
25) 2-Butanone	6.04	43	470865	283.797	ug/l	100
26) 2,2-Dichloropropane	5.99	77	488227	54.920	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	450210	59.035	ug/l	96
28) Bromochloromethane	6.41	49	241317	53.457	ug/l #	94
29) Tetrahydrofuran	6.42	42	232415	289.006	ug/l	98
30) Chloroform	6.64	83	684739	59.259	ug/l	100
31) Cyclohexane	6.93	56	461596	52.233	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	589020	57.780	ug/l	94
36) 1,1-Dichloropropene	7.12	75	483506	50.694	ug/l	98
37) Ethyl Acetate	6.15	43	220753	54.119	ug/l	99
38) Carbon Tetrachloride	7.08	117	574003m	52.374	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	508354	51.176	ug/l	99
40) Benzene	7.43	78	1224802	51.168	ug/l	98
41) Methacrylonitrile	6.41	41	260276	54.572	ug/l #	98
42) 1,2-Dichloroethane	7.54	62	393990	55.025	ug/l	99
43) Isopropyl Acetate	9.21	43	345417	58.201	ug/l #	95
44) Trichloroethene	8.51	130	463902	52.077	ug/l	94
45) 1,2-Dichloropropane	8.90	63	317359	52.286	ug/l	99
46) Dibromomethane	9.03	93	236073	57.785	ug/l	95
47) Bromodichloromethane	9.35	83	534311	58.271	ug/l	99
48) Methyl methacrylate	9.09	41	171815	52.456	ug/l	97
49) 1,4-Dioxane	9.05	88	41101	1137.664	ug/l	98
51) 4-Methyl-2-Pentanone	10.27	43	961565	266.305	ug/l	97
52) Toluene	10.48	92	776938	53.203	ug/l	97
53) t-1,3-Dichloropropene	10.88	75	476579	57.206	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	583282	57.499	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	259725	50.856	ug/l	97
56) Ethyl methacrylate	11.02	69	271051	49.404	ug/l	97
57) 1,3-Dichloropropane	11.38	76	424588	56.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	672859	251.832	ug/l	99
59) 2-Hexanone	11.51	43	694161	265.341	ug/l	97
60) Dibromochloromethane	11.66	129	442246	56.171	ug/l	99
61) 1,2-Dibromoethane	11.78	107	321417	54.351	ug/l	97
64) Tetrachloroethene	11.23	164	354791	50.068	ug/l	97
65) Chlorobenzene	12.38	112	960920	52.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	395299	55.329	ug/l	99
67) Ethyl Benzene	12.51	91	1539647	54.665	ug/l	99
68) m/p-Xylenes	12.65	106	1029962	96.537	ug/l	99
69) o-Xylene	13.03	106	525399	50.746	ug/l	98
70) Styrene	13.06	104	902727	50.018	ug/l	99
71) Bromoform	13.21	173	245791	54.270	ug/l	96
73) Isopropylbenzene	13.38	105	1305772	45.117	ug/l	99
74) N-amyl acetate	13.24	43	387271	48.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	310336	50.830	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	297840	49.583	ug/l	98
77) Bromobenzene	13.65	156	420613	49.022	ug/l	99
78) n-propylbenzene	13.76	91	1651590	46.631	ug/l	97
79) 2-Chlorotoluene	13.82	91	888918	46.223	ug/l	100
80) 1,3,5-Trimethylbenzene	13.91	105	1080551	48.119	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	87399	47.720	ug/l	95
82) 4-Chlorotoluene	13.93	91	981784	46.951	ug/l	99
83) tert-Butylbenzene	14.17	119	1372381	48.903	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	1203537	49.506	ug/l	99
85) sec-Butylbenzene	14.36	105	1337480	44.862	ug/l	97
86) p-Isopropyltoluene	14.47	119	1266399	50.234	ug/l	100
87) 1,3-Dichlorobenzene	14.43	146	710915	48.929	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	730997	51.591	ug/l	99
89) n-Butylbenzene	14.78	91	1109056	47.931	ug/l	99
90) Hexachloroethane	15.00	117	377084	52.946	ug/l	91
91) 1,2-Dichlorobenzene	14.79	146	577271	48.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	41604	58.101	ug/l	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	312610	57.582	ug/l	98
94) Hexachlorobutadiene	16.02	225	230382	54.306	ug/l	99
95) Naphthalene	16.11	128	543304	65.655	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	160577	67.216	ug/l	99

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

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