

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063144.D
 Acq On : 17 Jul 2019 21:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/18/2019 10:01:35 AM

Quant Time: Jul 18 08:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	578642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	768311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	714335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	363498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	373196	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	6.92	113	389459	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.40	98	832650	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	13.55	95	396602	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	348004	56.194	ug/l	98
3) Chloromethane	1.73	50	274064	52.494	ug/l	95
4) Vinyl Chloride	1.83	62	294974	47.763	ug/l	98
5) Bromomethane	2.13	94	144463	62.161	ug/l	96
6) Chloroethane	2.25	64	141665	49.382	ug/l	89
7) Trichlorofluoromethane	2.52	101	667473	53.390	ug/l	98
8) Diethyl Ether	2.85	74	91234	51.878	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	356718	49.484	ug/l	96
10) Methyl Iodide	3.29	142	457127	51.653	ug/l	96
11) Tert butyl alcohol	4.06	59	109181	262.462	ug/l #	85
12) 1,1-Dichloroethene	3.11	96	259015	50.598	ug/l	92
13) Acrolein	3.02	56	22002	175.243	ug/l	86
14) Allyl chloride	3.60	41	398252	49.501	ug/l	93
15) Acrylonitrile	4.18	53	242874	264.124	ug/l	96
16) Acetone	3.21	43	445945	256.148	ug/l	99
17) Carbon Disulfide	3.35	76	658000	44.907	ug/l	98
18) Methyl Acetate	3.63	43	141132	60.612	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	627568	48.565	ug/l	99
20) Methylene Chloride	3.80	84	292072	44.406	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	269436	47.413	ug/l	95
22) Diisopropyl ether	5.11	45	913922	52.248	ug/l	94
23) Vinyl Acetate	5.04	43	2955037	289.564	ug/l	99
24) 1,1-Dichloroethane	4.97	63	553071	51.330	ug/l #	97
25) 2-Butanone	6.06	43	460541	277.020	ug/l	95
26) 2,2-Dichloropropane	6.01	77	591922	49.638	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	337860	52.265	ug/l	86
28) Bromochloromethane	6.43	49	195475	50.006	ug/l	95
29) Tetrahydrofuran	6.45	42	222191	294.834	ug/l	99
30) Chloroform	6.65	83	746024	56.219	ug/l	97
31) Cyclohexane	6.95	56	332495	48.455	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	746347	57.037	ug/l	95
36) 1,1-Dichloropropene	7.13	75	462274	53.497	ug/l	95
37) Ethyl Acetate	6.18	43	210863	57.019	ug/l #	91
38) Carbon Tetrachloride	7.09	117	728110m	55.453	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	378028	50.603	ug/l	95
40) Benzene	7.44	78	978750	54.081	ug/l	99
41) Methacrylonitrile	6.45	41	288096	57.461	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	552224	57.273	ug/l	97
43) Isopropyl Acetate	9.23	43	297617	56.146	ug/l	97
44) Trichloroethene	8.53	130	376982	53.899	ug/l	92
45) 1,2-Dichloropropane	8.93	63	232399	51.505	ug/l	98
46) Dibromomethane	9.05	93	218032	56.231	ug/l	94
47) Bromodichloromethane	9.37	83	559830	55.329	ug/l	97
48) Methyl methacrylate	9.11	41	201595	57.913	ug/l	95
49) 1,4-Dioxane	9.07	88	38390	1278.783	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	1054247	299.864	ug/l	94
52) Toluene	10.50	92	641547	53.085	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	464520	53.585	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	482987	53.884	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	239287	57.294	ug/l	98
56) Ethyl methacrylate	11.03	69	242167	51.896	ug/l	95
57) 1,3-Dichloropropane	11.40	76	367652	57.852	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	642105	247.129	ug/l	98
59) 2-Hexanone	11.52	43	806831	297.572	ug/l	99
60) Dibromochloromethane	11.68	129	428462	53.519	ug/l	97
61) 1,2-Dibromoethane	11.80	107	285117	57.033	ug/l	99
64) Tetrachloroethene	11.25	164	349662	50.446	ug/l	99
65) Chlorobenzene	12.39	112	870244	51.825	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	390511	50.160	ug/l	96
67) Ethyl Benzene	12.52	91	1463547	50.162	ug/l	99
68) m/p-Xylenes	12.67	106	1064783	101.892	ug/l	99
69) o-Xylene	13.04	106	486781	49.125	ug/l	91
70) Styrene	13.07	104	816157	47.055	ug/l	98
71) Bromoform	13.23	173	298912	54.842	ug/l	97
73) Isopropylbenzene	13.40	105	1563269	55.688	ug/l	95
74) N-amyl acetate	13.26	43	397261	50.742	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.70	83	281342	55.084	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	299600	53.580	ug/l	95
77) Bromobenzene	13.67	156	417835	52.487	ug/l	97
78) n-propylbenzene	13.77	91	1735462	53.722	ug/l	98
79) 2-Chlorotoluene	13.84	91	996456	51.016	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1222894	49.983	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	79231	53.808	ug/l	97
82) 4-Chlorotoluene	13.95	91	1220817	53.525	ug/l	99
83) tert-Butylbenzene	14.18	119	1498646	54.173	ug/l	84
84) 1,2,4-Trimethylbenzene	14.23	105	1309244	53.676	ug/l	100
85) sec-Butylbenzene	14.36	105	1548254	52.675	ug/l	95
86) p-Isopropyltoluene	14.49	119	1404121	51.209	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	789597	55.540	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	716182	52.547	ug/l	99
89) n-Butylbenzene	14.79	91	1326398	52.483	ug/l	100
90) Hexachloroethane	15.00	117	413469	56.408	ug/l	68
91) 1,2-Dichlorobenzene	14.80	146	684268	54.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	52680	53.810	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	497930	52.354	ug/l	96
94) Hexachlorobutadiene	16.03	225	404160	57.652	ug/l	95
95) Naphthalene	16.12	128	740419	53.221	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	444848	58.143	ug/l	97

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

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