

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063166.D
 Acq On : 19 Jul 2019 20:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:43:02 AM

Quant Time: Jul 20 05:50:31 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	7.05	168	634839	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	853722	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	773176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	405723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	364925	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.30%		
35) Dibromofluoromethane	6.92	113	406988	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.72%		
50) Toluene-d8	10.41	98	800017	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.60%		
62) 4-Bromofluorobenzene	13.56	95	401464	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.02%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	336894	49.851	ug/l	98
3) Chloromethane	1.74	50	264118	45.668	ug/l #	84
4) Vinyl Chloride	1.84	62	283382	41.824	ug/l	99
5) Bromomethane	2.15	94	148711	58.107	ug/l	92
6) Chloroethane	2.26	64	141583	44.985	ug/l #	86
7) Trichlorofluoromethane	2.52	101	647256	47.190	ug/l	95
8) Diethyl Ether	2.87	74	99737	51.693	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	353729	44.726	ug/l	96
10) Methyl Iodide	3.30	142	431718	44.464	ug/l	98
11) Tert butyl alcohol	4.08	59	113290	248.232	ug/l	98
12) 1,1-Dichloroethene	3.12	96	251752	44.826	ug/l	88
13) Acrolein	3.02	56	12845	93.252	ug/l #	75
14) Allyl chloride	3.62	41	406426	46.045	ug/l	93
15) Acrylonitrile	4.20	53	259524	257.247	ug/l	99
16) Acetone	3.22	43	415592	217.582	ug/l	96
17) Carbon Disulfide	3.37	76	636835	39.615	ug/l	98
18) Methyl Acetate	3.63	43	149627	58.608	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	680654	48.011	ug/l	99
20) Methylene Chloride	3.81	84	294216	40.773	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	276513	44.351	ug/l	92
22) Diisopropyl ether	5.12	45	898683	46.829	ug/l	96
23) Vinyl Acetate	5.05	43	2927555	261.477	ug/l	99
24) 1,1-Dichloroethane	4.98	63	573038	48.475	ug/l	98
25) 2-Butanone	6.08	43	465306	255.111	ug/l	95
26) 2,2-Dichloropropane	6.03	77	570448	43.602	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	326125	45.984	ug/l	90
28) Bromochloromethane	6.44	49	198943	46.388	ug/l	90
29) Tetrahydrofuran	6.46	42	203524	246.157	ug/l	99
30) Chloroform	6.67	83	737415	50.651	ug/l	97
31) Cyclohexane	6.95	56	329066	43.710	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	728528	50.747	ug/l	93
36) 1,1-Dichloropropene	7.15	75	436929	45.506	ug/l	94
37) Ethyl Acetate	6.18	43	235446	57.297	ug/l #	94
38) Carbon Tetrachloride	7.11	117	708963m	48.593	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	372779	44.908	ug/l	95
40) Benzene	7.45	78	899429	44.726	ug/l	95
41) Methacrylonitrile	6.45	41	268171	48.136	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	568727	53.084	ug/l	99
43) Isopropyl Acetate	9.25	43	315324	53.535	ug/l #	96
44) Trichloroethene	8.54	130	361539	46.520	ug/l	97
45) 1,2-Dichloropropane	8.94	63	237630	47.395	ug/l	94
46) Dibromomethane	9.07	93	220978	51.289	ug/l	88
47) Bromodichloromethane	9.38	83	591111	52.576	ug/l	97
48) Methyl methacrylate	9.13	41	195657	50.584	ug/l #	85
49) 1,4-Dioxane	9.09	88	36399	1091.161	ug/l #	77
51) 4-Methyl-2-Pentanone	10.31	43	1134459	290.396	ug/l	98
52) Toluene	10.52	92	667916	49.738	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	474383	49.248	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	474114	47.602	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	232750	50.154	ug/l	96
56) Ethyl methacrylate	11.05	69	276797	53.383	ug/l	94
57) 1,3-Dichloropropane	11.41	76	378785	53.640	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	644121	223.103	ug/l	97
59) 2-Hexanone	11.54	43	777559	258.086	ug/l	99
60) Dibromochloromethane	11.69	129	438428	49.285	ug/l	93
61) 1,2-Dibromoethane	11.81	107	301971	54.361	ug/l	92
64) Tetrachloroethene	11.26	164	364597	48.598	ug/l	97
65) Chlorobenzene	12.41	112	844924	46.488	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	386137	45.824	ug/l	97
67) Ethyl Benzene	12.52	91	1467265	46.462	ug/l	98
68) m/p-Xylenes	12.67	106	957433	84.647	ug/l	98
69) o-Xylene	13.06	106	484099	45.137	ug/l	96
70) Styrene	13.08	104	804826	42.871	ug/l	98
71) Bromoform	13.23	173	308061	52.219	ug/l	96
73) Isopropylbenzene	13.41	105	1528793	48.792	ug/l	99
74) N-amyl acetate	13.27	43	443945	50.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	316202	55.466	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	331346	53.090	ug/l	98
77) Bromobenzene	13.68	156	442756	49.829	ug/l	97
78) n-propylbenzene	13.77	91	1807222	50.121	ug/l	98
79) 2-Chlorotoluene	13.84	91	1050877	48.203	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1211814	44.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	77563	47.193	ug/l	87
82) 4-Chlorotoluene	13.95	91	1195744	46.970	ug/l	100
83) tert-Butylbenzene	14.19	119	1452405	47.038	ug/l	84
84) 1,2,4-Trimethylbenzene	14.24	105	1285253	47.208	ug/l	98
85) sec-Butylbenzene	14.37	105	1483182	45.210	ug/l	93
86) p-Isopropyltoluene	14.49	119	1455804	47.568	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	734124	46.264	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	718988	47.263	ug/l	96
89) n-Butylbenzene	14.80	91	1305547	46.282	ug/l	98
90) Hexachloroethane	15.01	117	382871	46.797	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	656471	46.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	57271	52.412	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	549576	51.770	ug/l	97
94) Hexachlorobutadiene	16.04	225	379579	48.511	ug/l	96
95) Naphthalene	16.13	128	844426	54.380	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	430525	50.414	ug/l	97

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

