

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061693.D
 Acq On : 21 Feb 2019 12:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:27:33 PM

Quant Time: Feb 22 03:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	354430	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	495937	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	423454	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	232728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	130305	50.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.11	113	195181	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	7.56	98	582055	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
62) 4-Bromofluorobenzene	11.41	95	221801	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	183371	45.052	ug/l	98
3) Chloromethane	1.10	50	188641	44.172	ug/l	97
4) Vinyl Chloride	1.14	62	186150	46.888	ug/l	98
5) Bromomethane	1.34	94	131386	48.085	ug/l	98
6) Chloroethane	1.39	64	91124	46.575	ug/l	92
7) Trichlorofluoromethane	1.48	101	227349	47.479	ug/l	98
8) Diethyl Ether	1.63	74	50494	41.844	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	160255	46.392	ug/l	95
10) Methyl Iodide	1.91	142	305626m	46.317	ug/l	
11) Tert butyl alcohol	2.58	59	32860	218.457	ug/l	98
12) 1,1-Dichloroethene	1.80	96	148987	49.055	ug/l	97
13) Acrolein	2.00	56	45340	239.831	ug/l	98
14) Allyl chloride	2.09	41	174585	46.845	ug/l	97
15) Acrylonitrile	2.94	53	109863	205.913	ug/l	94
16) Acetone	2.24	43	136031	243.937	ug/l	95
17) Carbon Disulfide	1.83	76	443759m	46.483	ug/l	
18) Methyl Acetate	2.35	43	53967	42.959	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	243336	46.881	ug/l	99
20) Methylene Chloride	2.18	84	146555m	48.994	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	145158	43.966	ug/l	97
22) Diisopropyl ether	2.80	45	415245	46.416	ug/l	100
23) Vinyl Acetate	3.19	43	944920	216.253	ug/l	99
24) 1,1-Dichloroethane	2.87	63	254231	46.959	ug/l	99
25) 2-Butanone	4.34	43	275632	226.284	ug/l	96
26) 2,2-Dichloropropane	3.60	77	126591	55.203	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	194111	44.792	ug/l	97
28) Bromochloromethane	3.72	49	120837	46.518	ug/l	100
29) Tetrahydrofuran	4.07	42	112777	203.706	ug/l	97
30) Chloroform	3.86	83	282383	45.865	ug/l	93
31) Cyclohexane	3.69	56	273339	46.639	ug/l	93
32) 1,1,1-Trichloroethane	4.10	97	206717	51.255	ug/l	99
36) 1,1-Dichloropropene	4.28	75	248507	50.583	ug/l	95
37) Ethyl Acetate	4.11	43	98883	43.334	ug/l #	82
38) Carbon Tetrachloride	3.99	117	174163	51.339	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	305118	52.514	ug/l	97
40) Benzene	4.64	78	644915	50.186	ug/l	100
41) Methacrylonitrile	4.75	41	51177	43.855	ug/l	98
42) 1,2-Dichloroethane	4.94	62	154455	50.248	ug/l	96
43) Isopropyl Acetate	6.96	43	119892	44.387	ug/l #	95
44) Trichloroethene	5.50	130	194148	46.720	ug/l	98
45) 1,2-Dichloropropane	6.23	63	156344	50.333	ug/l	92
46) Dibromomethane	6.09	93	92016	48.113	ug/l	96
47) Bromodichloromethane	6.38	83	205502	49.068	ug/l	99
48) Methyl methacrylate	6.72	41	76824	47.263	ug/l	93
49) 1,4-Dioxane	6.71	88	13393	876.492	ug/l	95
51) 4-Methyl-2-Pentanone	8.26	43	412092	213.520	ug/l	100
52) Toluene	7.62	92	367544	47.160	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	176325	50.586	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	240655	51.834	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	109261	47.716	ug/l	94
56) Ethyl methacrylate	8.62	69	120285	47.182	ug/l	99
57) 1,3-Dichloropropane	8.86	76	187289	49.003	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	95206	216.445	ug/l	100
59) 2-Hexanone	9.50	43	301547	222.894	ug/l	99
60) Dibromochloromethane	8.72	129	157944	49.557	ug/l	99
61) 1,2-Dibromoethane	8.99	107	114540	46.118	ug/l	99
64) Tetrachloroethene	8.16	164	184248	53.232	ug/l	99
65) Chlorobenzene	9.80	112	431246	50.187	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	171853	51.039	ug/l	95
67) Ethyl Benzene	9.90	91	745306	52.156	ug/l	97
68) m/p-Xylenes	10.13	106	570331	104.286	ug/l	96
69) o-Xylene	10.71	106	303537	52.015	ug/l	98
70) Styrene	10.79	104	409297	49.579	ug/l	98
71) Bromoform	10.77	173	85186	46.590	ug/l	98
73) Isopropylbenzene	11.12	105	812135	49.013	ug/l	99
74) N-amyl acetate	11.37	43	183076	46.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	131221	44.204	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	87232	43.221	ug/l	98
77) Bromobenzene	11.50	156	201981	49.342	ug/l	97
78) n-propylbenzene	11.60	91	944111	49.653	ug/l	97
79) 2-Chlorotoluene	11.72	91	537844	50.507	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	674762	50.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	41321m	42.705	ug/l	
82) 4-Chlorotoluene	11.90	91	531593	48.095	ug/l	97
83) tert-Butylbenzene	12.13	119	741355	50.541	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	654444	49.741	ug/l	97
85) sec-Butylbenzene	12.31	105	952164	50.197	ug/l	99
86) p-Isopropyltoluene	12.46	119	814227	51.148	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	379788	47.591	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	368152	47.969	ug/l	99
89) n-Butylbenzene	12.84	91	765612	50.932	ug/l	96
90) Hexachloroethane	12.92	117	197168	53.255	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	360713	47.522	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20921	44.451	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	263508	48.433	ug/l	98
94) Hexachlorobutadiene	14.19	225	178601	53.152	ug/l	99
95) Naphthalene	14.46	128	442977	46.535	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	244058	48.873	ug/l	96

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

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