

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062539.D
 Acq On : 13 May 2019 12:51
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:34:55 AM

Quant Time: May 14 09:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	329230	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	462509	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	401722	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	255081	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	168360	54.11	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.22%	
35) Dibromofluoromethane	4.33	113	198769	53.94	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	7.73	98	481885	54.03	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	11.51	95	220252	54.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	170233	44.677	ug/l	92
3) Chloromethane	1.15	50	110066	43.799	ug/l	97
4) Vinyl Chloride	1.20	62	114183	45.553	ug/l	100
5) Bromomethane	1.39	94	97262	51.500	ug/l	99
6) Chloroethane	1.44	64	63540	50.420	ug/l	98
7) Trichlorofluoromethane	1.56	101	283805	54.570	ug/l	93
8) Diethyl Ether	1.72	74	39067	49.645	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	159507	53.721	ug/l	96
10) Methyl Iodide	1.99	142	264043	53.963	ug/l	98
11) Tert butyl alcohol	2.70	59	40202	228.621	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	120710	47.821	ug/l	94
13) Acrolein	2.11	56	31092	289.376	ug/l	94
14) Allyl chloride	2.21	41	179935m	80.698	ug/l	
15) Acrylonitrile	3.10	53	91502	274.701	ug/l	94
16) Acetone	2.36	43	195286	310.271	ug/l	100
17) Carbon Disulfide	1.93	76	257022	46.699	ug/l	99
18) Methyl Acetate	2.47	43	60551	52.936	ug/l	100
19) Methyl tert-butyl Ether	2.57	73	279502	53.642	ug/l	96
20) Methylene Chloride	2.34	84	117392m	51.551	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	121046	50.333	ug/l	98
22) Diisopropyl ether	2.95	45	375335	53.859	ug/l	98
23) Vinyl Acetate	3.37	43	834782	268.768	ug/l	99
24) 1,1-Dichloroethane	3.03	63	241706	57.387	ug/l	98
25) 2-Butanone	4.55	43	206379	260.995	ug/l	97
26) 2,2-Dichloropropane	3.80	77	172437	73.312	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	165287	54.983	ug/l	99
28) Bromochloromethane	3.93	49	116631	61.058	ug/l	97
29) Tetrahydrofuran	4.29	42	83895	230.848	ug/l	99
30) Chloroform	4.08	83	319418	56.135	ug/l	95
31) Cyclohexane	3.91	56	165106	49.112	ug/l	92
32) 1,1,1-Trichloroethane	4.31	97	283675	58.168	ug/l	99
36) 1,1-Dichloropropene	4.50	75	192712	48.504	ug/l	99
37) Ethyl Acetate	4.32	43	79891	51.830	ug/l #	98
38) Carbon Tetrachloride	4.21	117	254071m	62.338	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	178273	44.740	ug/l	98
40) Benzene	4.84	78	419267	47.921	ug/l	94
41) Methacrylonitrile	4.95	41	39602	41.569	ug/l	90
42) 1,2-Dichloroethane	5.15	62	173884	47.520	ug/l	98
43) Isopropyl Acetate	7.13	43	82203	45.487	ug/l #	99
44) Trichloroethene	5.71	130	160789	50.029	ug/l	97
45) 1,2-Dichloropropane	6.43	63	102239	51.592	ug/l	95
46) Dibromomethane	6.28	93	83111	50.583	ug/l	99
47) Bromodichloromethane	6.58	83	212391	51.703	ug/l	99
48) Methyl methacrylate	6.89	41	59882	46.889	ug/l	95
49) 1,4-Dioxane	6.89	88	11174	848.740	ug/l #	88
51) 4-Methyl-2-Pentanone	8.42	43	335993	245.362	ug/l	99
52) Toluene	7.80	92	273027	50.585	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	160989	51.816	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	186846	51.673	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	90562	52.855	ug/l	99
56) Ethyl methacrylate	8.78	69	88154	48.740	ug/l	95
57) 1,3-Dichloropropane	9.01	76	139333	53.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	103548	190.428	ug/l	99
59) 2-Hexanone	9.63	43	247426	261.257	ug/l	98
60) Dibromochloromethane	8.89	129	156839	55.968	ug/l	97
61) 1,2-Dibromoethane	9.15	107	99992	49.654	ug/l	95
64) Tetrachloroethene	8.32	164	154741	47.448	ug/l	96
65) Chlorobenzene	9.95	112	354862	53.389	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	172832	51.544	ug/l	98
67) Ethyl Benzene	10.05	91	609616	52.377	ug/l	99
68) m/p-Xylenes	10.28	106	447115	104.116	ug/l	99
69) o-Xylene	10.84	106	247958	53.435	ug/l	98
70) Styrene	10.91	104	358503	51.549	ug/l	98
71) Bromoform	10.90	173	92486	50.346	ug/l #	98
73) Isopropylbenzene	11.23	105	770178	50.930	ug/l	97
74) N-amyl acetate	11.46	43	137898	42.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	119603	50.513	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	88404	48.938	ug/l #	100
77) Bromobenzene	11.60	156	194921	49.114	ug/l	99
78) n-propylbenzene	11.68	91	801364	49.775	ug/l	99
79) 2-Chlorotoluene	11.81	91	500146	49.958	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	660608	49.840	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	34253m	50.445	ug/l	
82) 4-Chlorotoluene	11.98	91	487316	49.285	ug/l	99
83) tert-Butylbenzene	12.21	119	686084	49.253	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	643088	49.579	ug/l	95
85) sec-Butylbenzene	12.37	105	878411	51.808	ug/l	97
86) p-Isopropyltoluene	12.53	119	766978	48.688	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	364244	50.252	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	358731	51.278	ug/l	98
89) n-Butylbenzene	12.91	91	704026	50.234	ug/l	100
90) Hexachloroethane	12.99	117	193382	49.166	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	341155	48.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	24430	46.055	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	299505	47.595	ug/l	99
94) Hexachlorobutadiene	14.24	225	238849	50.925	ug/l	97
95) Naphthalene	14.50	128	449565	47.519	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	306295	50.241	ug/l	98

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

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