

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061704.D
 Acq On : 22 Feb 2019 12:36
 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
 2/27/2019 5:40:29 PM

Quant Time: Feb 23 03:43:28 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	4.85	168	375508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	545514	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	466425	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	252688	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	140726	51.11	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	4.09	113	208055	51.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	7.53	98	603996	51.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.40	95	230125	48.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	195671	45.375	ug/l	98
3) Chloromethane	1.09	50	206683	45.680	ug/l	100
4) Vinyl Chloride	1.13	62	200849	47.751	ug/l	100
5) Bromomethane	1.33	94	141172	48.767	ug/l	97
6) Chloroethane	1.38	64	99658	48.078	ug/l	99
7) Trichlorofluoromethane	1.48	101	254627	50.191	ug/l	96
8) Diethyl Ether	1.63	74	57476	44.956	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	175269	47.890	ug/l	91
10) Methyl Iodide	1.89	142	330689m	47.302	ug/l	
11) Tert butyl alcohol	2.56	59	36244	227.429	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	160130	49.765	ug/l	94
13) Acrolein	1.99	56	45746	228.396	ug/l	93
14) Allyl chloride	2.09	41	187226	47.417	ug/l	98
15) Acrylonitrile	2.93	53	108664	192.234	ug/l	94
16) Acetone	2.23	43	149489	253.023	ug/l	95
17) Carbon Disulfide	1.82	76	475076	46.970	ug/l	97
18) Methyl Acetate	2.33	43	57299	43.051	ug/l	99
19) Methyl tert-butyl Ether	2.41	73	251880	45.803	ug/l	98
20) Methylene Chloride	2.17	84	161645m	51.115	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	161535	46.180	ug/l	97
22) Diisopropyl ether	2.79	45	461630	48.705	ug/l	97
23) Vinyl Acetate	3.17	43	989686	213.784	ug/l	98
24) 1,1-Dichloroethane	2.86	63	280616	48.924	ug/l	100
25) 2-Butanone	4.31	43	292005	226.270	ug/l	96
26) 2,2-Dichloropropane	3.58	77	134034	55.168	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	222945	48.558	ug/l	95
28) Bromochloromethane	3.70	49	132639	48.195	ug/l	98
29) Tetrahydrofuran	4.05	42	120317	205.126	ug/l	95
30) Chloroform	3.84	83	315804	48.414	ug/l	97
31) Cyclohexane	3.68	56	302807	48.767	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	234535	54.889	ug/l	94
36) 1,1-Dichloropropene	4.26	75	271199	50.185	ug/l	95
37) Ethyl Acetate	4.09	43	102605	40.878	ug/l #	80
38) Carbon Tetrachloride	3.97	117	201011	53.869	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	341398	53.418	ug/l	97
40) Benzene	4.61	78	681134	48.188	ug/l	100
41) Methacrylonitrile	4.72	41	60825	47.385	ug/l	94
42) 1,2-Dichloroethane	4.92	62	172048	50.884	ug/l	95
43) Isopropyl Acetate	6.94	43	126369	42.533	ug/l #	100
44) Trichloroethene	5.48	130	230494	50.426	ug/l	95
45) 1,2-Dichloropropane	6.21	63	166124	48.621	ug/l	98
46) Dibromomethane	6.06	93	96828	46.028	ug/l	93
47) Bromodichloromethane	6.37	83	224347	48.699	ug/l	98
48) Methyl methacrylate	6.69	41	76471	42.770	ug/l	95
49) 1,4-Dioxane	6.68	88	13219	786.483	ug/l	99
51) 4-Methyl-2-Pentanone	8.24	43	427309	201.283	ug/l	95
52) Toluene	7.60	92	412226	48.086	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	180189	46.997	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	263623	51.620	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	118845	47.185	ug/l	96
56) Ethyl methacrylate	8.60	69	132747	47.338	ug/l	99
57) 1,3-Dichloropropane	8.83	76	191944	45.657	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	94018	194.319	ug/l	97
59) 2-Hexanone	9.47	43	304306	204.491	ug/l	98
60) Dibromochloromethane	8.70	129	168282	48.002	ug/l	96
61) 1,2-Dibromoethane	8.96	107	129792	47.510	ug/l	97
64) Tetrachloroethene	8.13	164	195116	51.178	ug/l	98
65) Chlorobenzene	9.78	112	473713	50.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	189066	50.978	ug/l	98
67) Ethyl Benzene	9.88	91	798680	50.742	ug/l	97
68) m/p-Xylenes	10.12	106	600389	99.668	ug/l	94
69) o-Xylene	10.70	106	331789	51.618	ug/l	96
70) Styrene	10.78	104	465423	51.183	ug/l	97
71) Bromoform	10.76	173	94659	47.002	ug/l	97
73) Isopropylbenzene	11.11	105	918532	51.055	ug/l	95
74) N-amyl acetate	11.36	43	194887	45.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	142228	44.127	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	99226	45.280	ug/l	99
77) Bromobenzene	11.48	156	225339	50.700	ug/l	90
78) n-propylbenzene	11.57	91	1027015	49.746	ug/l	98
79) 2-Chlorotoluene	11.70	91	579675	50.135	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	723128	50.290	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	45070m	42.901	ug/l	
82) 4-Chlorotoluene	11.88	91	601062	50.084	ug/l	94
83) tert-Butylbenzene	12.12	119	782018	49.102	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	726909	50.885	ug/l	98
85) sec-Butylbenzene	12.29	105	1051028	51.032	ug/l	97
86) p-Isopropyltoluene	12.44	119	886921	51.313	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	423575	48.885	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	418750	50.252	ug/l	97
89) n-Butylbenzene	12.83	91	822500	50.394	ug/l	96
90) Hexachloroethane	12.91	117	217545	54.117	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	386410	46.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21620	42.308	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	274283	46.431	ug/l	99
94) Hexachlorobutadiene	14.18	225	189472	51.934	ug/l	96
95) Naphthalene	14.44	128	471150	45.585	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	263236	48.549	ug/l	98

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

