

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062836.D
 Acq On : 4 Jun 2019 13:16
 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
 6/6/2019 8:48:57 AM

Quant Time: Jun 05 05:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	961617	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1529479	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1265664	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	598559	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	334346	50.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.30	113	590429	51.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.70	98	1590333	54.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	11.49	95	562972	53.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	488406	44.406	ug/l	98
3) Chloromethane	1.15	50	398356	40.036	ug/l	96
4) Vinyl Chloride	1.19	62	410121	41.478	ug/l	94
5) Bromomethane	1.41	94	266757	47.307	ug/l	99
6) Chloroethane	1.44	64	172389	46.631	ug/l #	86
7) Trichlorofluoromethane	1.56	101	654614	46.766	ug/l	94
8) Diethyl Ether	1.71	74	125523	45.580	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	399242	45.367	ug/l	99
10) Methyl Iodide	1.99	142	808402	45.814	ug/l	99
11) Tert butyl alcohol	2.70	59	98106	243.543	ug/l	98
12) 1,1-Dichloroethene	1.87	96	360602	45.126	ug/l	96
13) Acrolein	2.10	56	39186	243.282	ug/l #	81
14) Allyl chloride	2.19	41	281499	45.407	ug/l	94
15) Acrylonitrile	3.09	53	269222	177.861	ug/l #	89
16) Acetone	2.34	43	345776	227.192	ug/l	98
17) Carbon Disulfide	1.92	76	1012430	43.348	ug/l	95
18) Methyl Acetate	2.46	43	111339	41.863	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	677289	46.782	ug/l	98
20) Methylene Chloride	2.35	84	345179m	44.992	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	366566	45.751	ug/l	98
22) Diisopropyl ether	2.93	45	799113	45.370	ug/l	94
23) Vinyl Acetate	3.35	43	2905474	240.956	ug/l	97
24) 1,1-Dichloroethane	3.01	63	602673	45.828	ug/l	97
25) 2-Butanone	4.52	43	819977	231.352	ug/l	97
26) 2,2-Dichloropropane	3.78	77	369766	49.520	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	628564	46.670	ug/l	99
28) Bromochloromethane	3.90	49	378930	52.973	ug/l	96
29) Tetrahydrofuran	4.26	42	325924	240.430	ug/l	98
30) Chloroform	4.05	83	893965	48.233	ug/l	99
31) Cyclohexane	3.88	56	807740	45.368	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	585955	54.300	ug/l	99
36) 1,1-Dichloropropene	4.47	75	703534	49.966	ug/l	98
37) Ethyl Acetate	4.30	43	278733	51.786	ug/l	88
38) Carbon Tetrachloride	4.18	117	518947	54.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	897538	51.217	ug/l	99
40) Benzene	4.82	78	2035426	49.670	ug/l	97
41) Methacrylonitrile	4.92	41	148428	49.605	ug/l	97
42) 1,2-Dichloroethane	5.12	62	408754	52.446	ug/l	96
43) Isopropyl Acetate	7.11	43	379424	53.364	ug/l	99
44) Trichloroethene	5.68	130	589157	50.943	ug/l	99
45) 1,2-Dichloropropane	6.40	63	540474	52.558	ug/l	95
46) Dibromomethane	6.26	93	311682	51.913	ug/l	93
47) Bromodichloromethane	6.55	83	634086	51.858	ug/l	97
48) Methyl methacrylate	6.88	41	195796	53.433	ug/l	96
49) 1,4-Dioxane	6.87	88	47574	984.968	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	1341466	264.264	ug/l	100
52) Toluene	7.77	92	1180112	53.467	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	561613	55.429	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	787852	53.718	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	354647	53.784	ug/l	98
56) Ethyl methacrylate	8.75	69	388382	54.895	ug/l	96
57) 1,3-Dichloropropane	9.00	76	593500	55.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	636159	257.279	ug/l	98
59) 2-Hexanone	9.62	43	994188	274.776	ug/l	98
60) Dibromochloromethane	8.86	129	453298	55.527	ug/l	97
61) 1,2-Dibromoethane	9.12	107	372528	54.399	ug/l	96
64) Tetrachloroethene	8.31	164	473135	48.647	ug/l	94
65) Chlorobenzene	9.93	112	1211269	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	471052	48.391	ug/l	96
67) Ethyl Benzene	10.03	91	2007969	47.873	ug/l	100
68) m/p-Xylenes	10.26	106	1538544	95.858	ug/l	97
69) o-Xylene	10.81	106	817993	50.337	ug/l	100
70) Styrene	10.89	104	1174743	49.046	ug/l	100
71) Bromoform	10.88	173	242888	52.014	ug/l #	98
73) Isopropylbenzene	11.21	105	2039005	48.821	ug/l	100
74) N-amyl acetate	11.44	43	555721	47.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	428828	48.080	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	285092	48.222	ug/l	93
77) Bromobenzene	11.58	156	522829	49.822	ug/l	94
78) n-propylbenzene	11.67	91	2375321	47.103	ug/l	98
79) 2-Chlorotoluene	11.79	91	1322006	45.816	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1595414	46.711	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	135704m	54.217	ug/l	
82) 4-Chlorotoluene	11.97	91	1354631	47.771	ug/l	100
83) tert-Butylbenzene	12.19	119	1643159	48.552	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1548781	47.826	ug/l	98
85) sec-Butylbenzene	12.37	105	2097684	47.039	ug/l	97
86) p-Isopropyltoluene	12.51	119	1803605	48.590	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	897023	48.469	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	834128	48.295	ug/l	97
89) n-Butylbenzene	12.89	91	1771219	47.436	ug/l	97
90) Hexachloroethane	12.97	117	389556	43.030	ug/l	83
91) 1,2-Dichlorobenzene	13.00	146	774271	47.598	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	49293	50.729	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	548808	49.137	ug/l	98
94) Hexachlorobutadiene	14.22	225	376960	48.787	ug/l	99
95) Naphthalene	14.49	128	921784	50.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	506940	49.723	ug/l	97

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

