

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062585.D
 Acq On : 14 May 2019 16:23
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: May 15 04:53:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	607455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	968523	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	713399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	354776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	89017	13.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.06%	
35) Dibromofluoromethane	4.34	113	155903	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	
50) Toluene-d8	7.74	98	346755	17.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.18%	
62) 4-Bromofluorobenzene	11.51	95	121913	15.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	146441	17.516	ug/l	96
3) Chloromethane	1.14	50	159388	21.887	ug/l	92
4) Vinyl Chloride	1.19	62	159359	22.084	ug/l #	88
5) Bromomethane	1.39	94	65740	11.603	ug/l	97
6) Chloroethane	1.45	64	46682	12.529	ug/l	92
7) Trichlorofluoromethane	1.56	101	202126	19.286	ug/l	94
8) Diethyl Ether	1.73	74	42302	19.059	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	140136	20.486	ug/l #	90
10) Methyl Iodide	1.98	142	239738	20.649	ug/l	98
11) Tert butyl alcohol	2.71	59	27337	88.569	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	121913	19.683	ug/l	93
13) Acrolein	2.11	56	24476m	82.122	ug/l	
14) Allyl chloride	2.21	41	128936m	16.473	ug/l	
15) Acrylonitrile	3.11	53	88046	95.375	ug/l	96
16) Acetone	2.37	43	91804	72.255	ug/l	94
17) Carbon Disulfide	1.92	76	303562	15.991	ug/l	94
18) Methyl Acetate	2.48	43	44185	14.353	ug/l	93
19) Methyl tert-butyl Ether	2.57	73	186528	16.651	ug/l	96
20) Methylene Chloride	2.31	84	127467m	17.140	ug/l	
21) trans-1,2-Dichloroethene	2.45	96	125212	22.470	ug/l	96
22) Diisopropyl ether	2.96	45	258652	14.303	ug/l	98
23) Vinyl Acetate	3.37	43	745635	85.767	ug/l	100
24) 1,1-Dichloroethane	3.04	63	214340	19.611	ug/l	100
25) 2-Butanone	4.56	43	215747	90.504	ug/l	99
26) 2,2-Dichloropropane	3.81	77	113764	19.602	ug/l	95
27) cis-1,2-Dichloroethene	3.68	96	163810	22.193	ug/l	100
28) Bromochloromethane	3.93	49	114498	23.196	ug/l	90
29) Tetrahydrofuran	4.30	42	89087	86.578	ug/l	98
30) Chloroform	4.08	83	248977	18.904	ug/l	89
31) Cyclohexane	3.90	56	226435	20.997	ug/l	96
32) 1,1,1-Trichloroethane	4.33	97	171848	19.794	ug/l	96
36) 1,1-Dichloropropene	4.51	75	186322	17.791	ug/l	96
37) Ethyl Acetate	4.34	43	76171	15.721	ug/l	88
38) Carbon Tetrachloride	4.21	117	161070	19.929	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	217968	20.583	ug/l	92
40) Benzene	4.85	78	506901	21.479	ug/l	96
41) Methacrylonitrile	4.96	41	41950	15.363	ug/l	98
42) 1,2-Dichloroethane	5.16	62	106819	12.942	ug/l	98
43) Isopropyl Acetate	7.14	43	83114	15.892	ug/l #	93
44) Trichloroethene	5.72	130	139388	19.524	ug/l	96
45) 1,2-Dichloropropane	6.44	63	127402	22.684	ug/l	93
46) Dibromomethane	6.29	93	71620	19.145	ug/l	97
47) Bromodichloromethane	6.58	83	156630	15.857	ug/l	99
48) Methyl methacrylate	6.90	41	46523	11.979	ug/l	91
49) 1,4-Dioxane	6.89	88	11528	456.191	ug/l #	81
51) 4-Methyl-2-Pentanone	8.43	43	317084	80.389	ug/l	93
52) Toluene	7.81	92	267288	18.256	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	124227	15.669	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	168264	17.100	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	75185	18.356	ug/l	96
56) Ethyl methacrylate	8.78	69	83665	15.586	ug/l	99
57) 1,3-Dichloropropane	9.02	76	125655	18.218	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	134915	158.917	ug/l	94
59) 2-Hexanone	9.64	43	205426	73.958	ug/l	95
60) Dibromochloromethane	8.88	129	95584	16.386	ug/l	97
61) 1,2-Dibromoethane	9.16	107	76410	17.738	ug/l	98
64) Tetrachloroethene	8.33	164	102041	19.631	ug/l	93
65) Chlorobenzene	9.96	112	262537	19.139	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	108656	18.354	ug/l	95
67) Ethyl Benzene	10.06	91	479227	18.074	ug/l	99
68) m/p-Xylenes	10.28	106	345303	36.344	ug/l	96
69) o-Xylene	10.83	106	180360	18.872	ug/l	88
70) Styrene	10.91	104	278228	19.027	ug/l	99
71) Bromoform	10.89	173	48721	16.110	ug/l	94
73) Isopropylbenzene	11.23	105	517934	18.086	ug/l	96
74) N-amyl acetate	11.47	43	123364	16.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	100641	21.518	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	66905	19.059	ug/l	82
77) Bromobenzene	11.59	156	115840	19.104	ug/l	94
78) n-propylbenzene	11.68	91	636903	19.111	ug/l	90
79) 2-Chlorotoluene	11.81	91	328710	17.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	415854	17.426	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	29141m	20.640	ug/l	
82) 4-Chlorotoluene	11.99	91	338833	17.607	ug/l	98
83) tert-Butylbenzene	12.21	119	429451	17.776	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	389589	16.390	ug/l	100
85) sec-Butylbenzene	12.38	105	585053	19.008	ug/l	100
86) p-Isopropyltoluene	12.53	119	489836	17.913	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	225432	19.638	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	212626	18.274	ug/l	94
89) n-Butylbenzene	12.90	91	506503	19.046	ug/l	92
90) Hexachloroethane	12.98	117	113907	17.732	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	192052	17.669	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12300	12.669	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	137661	17.354	ug/l	97
94) Hexachlorobutadiene	14.24	225	98427	19.117	ug/l	95
95) Naphthalene	14.50	128	211741	16.289	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	127837	18.472	ug/l	96

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

