

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062344.D
 Acq On : 6 May 2019 19:08
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: May 07 04:24:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	313908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	437276	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	360491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	214551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163427	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	4.30	113	179167	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
50) Toluene-d8	7.70	98	430535	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	
62) 4-Bromofluorobenzene	11.49	95	177766	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	158884	35.991	ug/l	100
3) Chloromethane	1.16	50	102337	29.488	ug/l	100
4) Vinyl Chloride	1.19	62	106109	31.555	ug/l	100
5) Bromomethane	1.40	94	88226	36.042	ug/l	100
6) Chloroethane	1.44	64	56282	35.900	ug/l	100
7) Trichlorofluoromethane	1.56	101	239803	40.331	ug/l	100
8) Diethyl Ether	1.71	74	33158	33.432	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	133926	37.352	ug/l	100
10) Methyl Iodide	1.98	142	220504	35.808	ug/l	100
11) Tert butyl alcohol	2.70	59	39753	205.783	ug/l	100
12) 1,1-Dichloroethene	1.88	96	108787	34.648	ug/l	100
13) Acrolein	2.10	56	26556	182.911	ug/l	100
14) Allyl chloride	2.19	41	93452	29.268	ug/l	100
15) Acrylonitrile	3.09	53	80182	164.827	ug/l	100
16) Acetone	2.35	43	152544	210.674	ug/l	100
17) Carbon Disulfide	1.93	76	239819m	30.535	ug/l	
18) Methyl Acetate	2.47	43	54807	37.662	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	241679	39.035	ug/l	100
20) Methylene Chloride	2.34	84	97851m	27.873	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	106970m	34.821	ug/l	
22) Diisopropyl ether	2.94	45	340186	36.589	ug/l	100
23) Vinyl Acetate	3.35	43	797897	191.932	ug/l	100
24) 1,1-Dichloroethane	3.01	63	204145	37.872	ug/l	100
25) 2-Butanone	4.53	43	191815	180.413	ug/l	100
26) 2,2-Dichloropropane	3.77	77	110556	39.236	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	140849	35.705	ug/l	100
28) Bromochloromethane	3.90	49	100037	42.086	ug/l	100
29) Tetrahydrofuran	4.26	42	83381	179.799	ug/l	100
30) Chloroform	4.05	83	280834	40.412	ug/l	100
31) Cyclohexane	3.88	56	156109	32.329	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	237595m	46.557	ug/l	
36) 1,1-Dichloropropene	4.47	75	180083	37.075	ug/l	100
37) Ethyl Acetate	4.30	43	76211	37.462	ug/l #	100
38) Carbon Tetrachloride	4.18	117	192606	38.598	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	186535	34.057	ug/l	100
40) Benzene	4.81	78	386358	34.176	ug/l	100
41) Methacrylonitrile	4.93	41	42367	37.628	ug/l	100
42) 1,2-Dichloroethane	5.13	62	171938	43.076	ug/l	100
43) Isopropyl Acetate	7.11	43	81076	37.018	ug/l	100
44) Trichloroethene	5.68	130	147271	37.396	ug/l	100
45) 1,2-Dichloropropane	6.40	63	92178	35.697	ug/l	100
46) Dibromomethane	6.25	93	75633	38.855	ug/l	100
47) Bromodichloromethane	6.55	83	189523	40.495	ug/l	100
48) Methyl methacrylate	6.87	41	60408	39.293	ug/l	100
49) 1,4-Dioxane	6.86	88	12732	746.993	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	313730	192.335	ug/l	100
52) Toluene	7.77	92	239337	35.976	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	145517	42.068	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	169897	39.368	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	79969	40.242	ug/l	100
56) Ethyl methacrylate	8.76	69	81068	37.844	ug/l	100
57) 1,3-Dichloropropane	8.99	76	117906	38.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	118827	187.277	ug/l	100
59) 2-Hexanone	9.61	43	214860	190.852	ug/l	100
60) Dibromochloromethane	8.86	129	132624	40.791	ug/l	100
61) 1,2-Dibromoethane	9.12	107	94420	40.702	ug/l	100
64) Tetrachloroethene	8.30	164	140865	38.644	ug/l	100
65) Chlorobenzene	9.93	112	291352	37.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	148266	39.062	ug/l	100
67) Ethyl Benzene	10.03	91	509022	37.304	ug/l	100
68) m/p-Xylenes	10.26	106	360305	71.860	ug/l	100
69) o-Xylene	10.82	106	203724	36.298	ug/l	100
70) Styrene	10.89	104	300295	36.891	ug/l	100
71) Bromoform	10.88	173	83226	39.261	ug/l #	100
73) Isopropylbenzene	11.21	105	627350	36.078	ug/l	100
74) N-amyl acetate	11.45	43	125032	32.631	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	99310	36.216	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	72673	36.377	ug/l #	100
77) Bromobenzene	11.58	156	164743	37.470	ug/l	100
78) n-propylbenzene	11.66	91	646274	35.690	ug/l	100
79) 2-Chlorotoluene	11.79	91	410774	36.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	539971	36.892	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	26324m	31.940	ug/l	
82) 4-Chlorotoluene	11.97	91	403466	36.903	ug/l	100
83) tert-Butylbenzene	12.20	119	578804	37.888	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	536320	37.367	ug/l	100
85) sec-Butylbenzene	12.36	105	691399	36.759	ug/l	100
86) p-Isopropyltoluene	12.51	119	638742	37.614	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	286089	36.977	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	290677	38.853	ug/l	100
89) n-Butylbenzene	12.90	91	558081	36.616	ug/l	100
90) Hexachloroethane	12.97	117	163994	38.014	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	283081	37.892	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21462	37.489	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	257068	38.715	ug/l	100
94) Hexachlorobutadiene	14.23	225	194389	40.022	ug/l	100
95) Naphthalene	14.49	128	398034	38.472	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	254851	39.957	ug/l	100

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

