

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062892.D
 Acq On : 6 Jun 2019 19:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:04:18 PM

Quant Time: Jun 07 02:34:13 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	5.08	168	856805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1417991	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1189940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	551120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	322250	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	4.33	113	569377	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	7.73	98	1403674	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.50	95	549452	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	472689	48.641	ug/l	95
3) Chloromethane	1.16	50	439835	49.612	ug/l	96
4) Vinyl Chloride	1.19	62	428759	48.668	ug/l	100
5) Bromomethane	1.41	94	264720	52.688	ug/l	90
6) Chloroethane	1.46	64	184013	55.865	ug/l	94
7) Trichlorofluoromethane	1.57	101	621083	49.799	ug/l	95
8) Diethyl Ether	1.72	74	139933	57.028	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.92	101	404980	51.648	ug/l	97
10) Methyl Iodide	2.00	142	808449	51.422	ug/l	98
11) Tert butyl alcohol	2.71	59	121064	337.298	ug/l	95
12) 1,1-Dichloroethene	1.88	96	369721	51.926	ug/l	96
13) Acrolein	2.11	56	44413	311.764	ug/l	92
14) Allyl chloride	2.21	41	345127m	62.481	ug/l	
15) Acrylonitrile	3.11	53	330475	245.036	ug/l	# 93
16) Acetone	2.36	43	392740	289.617	ug/l	98
17) Carbon Disulfide	1.93	76	1077229	51.764	ug/l	98
18) Methyl Acetate	2.47	43	136985	57.806	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	735095	56.985	ug/l	97
20) Methylene Chloride	2.35	84	391799m	58.185	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	371917	52.097	ug/l	94
22) Diisopropyl ether	2.96	45	924811	58.930	ug/l	99
23) Vinyl Acetate	3.36	43	3030559	282.074	ug/l	97
24) 1,1-Dichloroethane	3.03	63	661888	56.488	ug/l	97
25) 2-Butanone	4.54	43	878009	278.029	ug/l	96
26) 2,2-Dichloropropane	3.80	77	352656	53.006	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	619705	51.641	ug/l	90
28) Bromochloromethane	3.92	49	349825	54.886	ug/l	95
29) Tetrahydrofuran	4.29	42	367760	304.478	ug/l	97
30) Chloroform	4.07	83	836056	50.627	ug/l	100
31) Cyclohexane	3.90	56	820254	51.706	ug/l	92
32) 1,1,1-Trichloroethane	4.32	97	545983	56.785	ug/l	96
36) 1,1-Dichloropropene	4.50	75	690420	52.890	ug/l	99
37) Ethyl Acetate	4.33	43	299509	60.021	ug/l	94
38) Carbon Tetrachloride	4.21	117	481828	54.615	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	873298	53.752	ug/l	95
40) Benzene	4.84	78	2026897	53.351	ug/l	98
41) Methacrylonitrile	4.95	41	161501	58.218	ug/l	95
42) 1,2-Dichloroethane	5.15	62	387625	53.645	ug/l	91
43) Isopropyl Acetate	7.13	43	405780	61.557	ug/l #	93
44) Trichloroethene	5.71	130	554167	51.685	ug/l	99
45) 1,2-Dichloropropane	6.43	63	528550	55.439	ug/l	95
46) Dibromomethane	6.28	93	309701	55.639	ug/l	93
47) Bromodichloromethane	6.58	83	608021	53.636	ug/l	96
48) Methyl methacrylate	6.89	41	202126	59.497	ug/l	92
49) 1,4-Dioxane	6.89	88	58226	1300.287	ug/l	85
51) 4-Methyl-2-Pentanone	8.42	43	1388806	295.100	ug/l	99
52) Toluene	7.80	92	1110147	54.252	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	500199	53.249	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	724005	53.246	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	331915	54.295	ug/l	96
56) Ethyl methacrylate	8.77	69	389475	59.378	ug/l	98
57) 1,3-Dichloropropane	9.01	76	563647	56.461	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	737934	321.904	ug/l	97
59) 2-Hexanone	9.64	43	1045286	311.612	ug/l	96
60) Dibromochloromethane	8.87	129	438158	57.892	ug/l	97
61) 1,2-Dibromoethane	9.15	107	377216	59.414	ug/l	99
64) Tetrachloroethene	8.32	164	430970	47.132	ug/l	92
65) Chlorobenzene	9.95	112	1154407	50.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466811	51.008	ug/l	98
67) Ethyl Benzene	10.05	91	2024868	51.348	ug/l	98
68) m/p-Xylenes	10.27	106	1460969	96.817	ug/l	99
69) o-Xylene	10.83	106	796057	52.105	ug/l	100
70) Styrene	10.90	104	1165897	51.774	ug/l	100
71) Bromoform	10.89	173	247096	56.282	ug/l	98
73) Isopropylbenzene	11.23	105	2018144	52.481	ug/l	100
74) N-amyl acetate	11.45	43	592453	54.663	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	451368	54.964	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	294808	54.158	ug/l	95
77) Bromobenzene	11.59	156	492208	50.942	ug/l	88
78) n-propylbenzene	11.68	91	2275367	49.005	ug/l	98
79) 2-Chlorotoluene	11.81	91	1333739	50.201	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1570534	49.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	132422m	57.460	ug/l	
82) 4-Chlorotoluene	11.98	91	1320319	50.568	ug/l	93
83) tert-Butylbenzene	12.20	119	1587905	50.958	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1526597	51.199	ug/l	100
85) sec-Butylbenzene	12.38	105	2131026	51.900	ug/l	97
86) p-Isopropyltoluene	12.53	119	1739990	50.911	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	847829	49.755	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	799151	50.253	ug/l	96
89) n-Butylbenzene	12.90	91	1726892	50.230	ug/l	96
90) Hexachloroethane	12.98	117	433649	52.023	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	771211	51.491	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	51242	57.274	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	498373	48.462	ug/l	98
94) Hexachlorobutadiene	14.23	225	339377	47.703	ug/l	98
95) Naphthalene	14.50	128	923704	54.826	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	469883	50.055	ug/l	97

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

