

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060761.D
 Acq On : 16 Nov 2018 12:22
 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

apatel
 11/19/2018 12:33:00 PM

Quant Time: Nov 17 04:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	191866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	314256	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	291802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	160151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	99270	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	4.13	113	116325	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.58	98	332522	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
62) 4-Bromofluorobenzene	11.42	95	152011	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	162423	47.302	ug/l	98
3) Chloromethane	1.11	50	101247	47.545	ug/l	98
4) Vinyl Chloride	1.15	62	88499	46.457	ug/l	99
5) Bromomethane	1.33	94	60977	50.391	ug/l	98
6) Chloroethane	1.39	64	38405	51.528	ug/l	97
7) Trichlorofluoromethane	1.50	101	198813	47.195	ug/l	98
8) Diethyl Ether	1.64	74	23274	43.121	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	90188	45.432	ug/l	98
10) Methyl Iodide	1.90	142	143936m	45.191	ug/l	
11) Tert butyl alcohol	2.58	59	24701	248.005	ug/l	95
12) 1,1-Dichloroethene	1.80	96	68405	43.701	ug/l	93
13) Acrolein	2.01	56	19538	214.543	ug/l	91
14) Allyl chloride	2.10	41	129547	47.241	ug/l	97
15) Acrylonitrile	2.95	53	42595	200.702	ug/l	90
16) Acetone	2.25	43	124219	265.557	ug/l	100
17) Carbon Disulfide	1.84	76	201260	42.541	ug/l	96
18) Methyl Acetate	2.36	43	33597	43.741	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	175345	46.694	ug/l	97
20) Methylene Chloride	2.19	84	69122m	44.126	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	68241	41.727	ug/l	87
22) Diisopropyl ether	2.81	45	242721	45.846	ug/l	98
23) Vinyl Acetate	3.21	43	674861	270.696	ug/l	100
24) 1,1-Dichloroethane	2.88	63	147424	45.995	ug/l	99
25) 2-Butanone	4.34	43	207071	269.134	ug/l	97
26) 2,2-Dichloropropane	3.61	77	117445	46.563	ug/l	90
27) cis-1,2-Dichloroethene	3.49	96	145309	52.231	ug/l	97
28) Bromochloromethane	3.73	49	84776	50.893	ug/l	95
29) Tetrahydrofuran	4.09	42	85951	270.828	ug/l	99
30) Chloroform	3.88	83	249175	48.452	ug/l	94
31) Cyclohexane	3.71	56	201017	51.673	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	199733	49.319	ug/l	99
36) 1,1-Dichloropropene	4.30	75	189425	51.974	ug/l	96
37) Ethyl Acetate	4.12	43	76117	56.175	ug/l	86
38) Carbon Tetrachloride	4.01	117	166421	47.059	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	230401	54.490	ug/l	95
40) Benzene	4.65	78	432975	53.294	ug/l	99
41) Methacrylonitrile	4.76	41	40935	57.295	ug/l #	91
42) 1,2-Dichloroethane	4.96	62	147430	52.512	ug/l	100
43) Isopropyl Acetate	6.97	43	91023	50.666	ug/l #	97
44) Trichloroethene	5.52	130	131944	51.475	ug/l	97
45) 1,2-Dichloropropane	6.25	63	107478	50.839	ug/l	99
46) Dibromomethane	6.11	93	74505	53.388	ug/l	94
47) Bromodichloromethane	6.40	83	177464	49.798	ug/l	99
48) Methyl methacrylate	6.73	41	61196	51.469	ug/l	98
49) 1,4-Dioxane	6.73	88	11507	1034.814	ug/l	97
51) 4-Methyl-2-Pentanone	8.28	43	349172	268.728	ug/l	99
52) Toluene	7.65	92	274258	50.375	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	143567	50.299	ug/l	98
54) cis-1,3-Dichloropropene	7.32	75	184350	49.723	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	79089	50.843	ug/l	93
56) Ethyl methacrylate	8.63	69	88943	50.346	ug/l	96
57) 1,3-Dichloropropane	8.87	76	139782	51.851	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.65	63	41276	255.768	ug/l	100
59) 2-Hexanone	9.51	43	261162	286.003	ug/l	97
60) Dibromochloromethane	8.73	129	109623	49.448	ug/l	99
61) 1,2-Dibromoethane	9.01	107	82515	50.438	ug/l	97
64) Tetrachloroethene	8.17	164	117245	50.739	ug/l	95
65) Chlorobenzene	9.82	112	301780	51.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	129305	50.346	ug/l	96
67) Ethyl Benzene	9.91	91	548730	49.439	ug/l	98
68) m/p-Xylenes	10.15	106	413291	104.194	ug/l	100
69) o-Xylene	10.72	106	235230	52.748	ug/l	96
70) Styrene	10.80	104	304941	50.385	ug/l	96
71) Bromoform	10.78	173	61734	53.453	ug/l	98
73) Isopropylbenzene	11.14	105	691003	53.603	ug/l	98
74) N-amyl acetate	11.38	43	172035	58.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	106120	49.792	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	73555	46.470	ug/l	98
77) Bromobenzene	11.51	156	140982	52.540	ug/l	91
78) n-propylbenzene	11.61	91	754951	50.214	ug/l	98
79) 2-Chlorotoluene	11.73	91	430386	49.253	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	519546	50.765	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	34453m	44.305	ug/l	
82) 4-Chlorotoluene	11.92	91	405260	45.271	ug/l	95
83) tert-Butylbenzene	12.14	119	553543	50.940	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	523264	49.436	ug/l	94
85) sec-Butylbenzene	12.32	105	716326	48.595	ug/l	99
86) p-Isopropyltoluene	12.47	119	596977	48.490	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	251857	47.165	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	256213	49.923	ug/l	96
89) n-Butylbenzene	12.85	91	595097	47.366	ug/l	98
90) Hexachloroethane	12.93	117	152686	50.706	ug/l	85
91) 1,2-Dichlorobenzene	12.95	146	248633	49.450	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19702	49.184	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	179446	49.655	ug/l	96
94) Hexachlorobutadiene	14.21	225	117666	49.826	ug/l	96
95) Naphthalene	14.47	128	351637	53.326	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	173941	52.088	ug/l	97

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

