

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061542.D
 Acq On : 7 Feb 2019 13:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:35:46 PM

Quant Time: Feb 09 04:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	189209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	285019	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	269577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	138722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	110516	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	4.11	113	116317	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	7.55	98	324135	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.41	95	140186	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	167413	45.032	ug/l	95
3) Chloromethane	1.09	50	125018	45.862	ug/l	95
4) Vinyl Chloride	1.14	62	111469	45.969	ug/l	99
5) Bromomethane	1.33	94	77049	48.727	ug/l	96
6) Chloroethane	1.38	64	54504	50.726	ug/l	97
7) Trichlorofluoromethane	1.47	101	210066	44.562	ug/l	94
8) Diethyl Ether	1.63	74	30239	50.062	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	105591	46.617	ug/l	95
10) Methyl Iodide	1.90	142	167352m	47.658	ug/l	
11) Tert butyl alcohol	2.56	59	24135	244.084	ug/l	100
12) 1,1-Dichloroethene	1.79	96	81362	48.349	ug/l	93
13) Acrolein	1.99	56	20384	239.776	ug/l	85
14) Allyl chloride	2.09	41	118741	64.056	ug/l	92
15) Acrylonitrile	2.93	53	63600	251.105	ug/l	93
16) Acetone	2.23	43	127279	271.595	ug/l	99
17) Carbon Disulfide	1.82	76	235378	44.858	ug/l	99
18) Methyl Acetate	2.34	43	46293	49.811	ug/l #	92
19) Methyl tert-butyl Ether	2.43	73	171052	45.343	ug/l	99
20) Methylene Chloride	2.17	84	87874m	55.430	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	82592	44.608	ug/l	97
22) Diisopropyl ether	2.79	45	280239	46.796	ug/l	98
23) Vinyl Acetate	3.18	43	674081	255.833	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174623	46.460	ug/l	99
25) 2-Butanone	4.32	43	192461	246.960	ug/l	99
26) 2,2-Dichloropropane	3.59	77	102311	44.305	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	125185	45.803	ug/l	98
28) Bromochloromethane	3.71	49	72592	42.966	ug/l #	99
29) Tetrahydrofuran	4.07	42	77536	231.058	ug/l	96
30) Chloroform	3.85	83	238895	47.096	ug/l	98
31) Cyclohexane	3.68	56	161390m	42.986	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	178723	48.053	ug/l	94
36) 1,1-Dichloropropene	4.27	75	176478	53.403	ug/l	99
37) Ethyl Acetate	4.10	43	73722	55.809	ug/l #	96
38) Carbon Tetrachloride	3.99	117	143107	49.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	184412	51.493	ug/l	98
40) Benzene	4.63	78	389614	52.984	ug/l	97
41) Methacrylonitrile	4.74	41	38951	55.415	ug/l	88
42) 1,2-Dichloroethane	4.93	62	145136	55.388	ug/l	100
43) Isopropyl Acetate	6.95	43	89558	54.018	ug/l #	86
44) Trichloroethene	5.50	130	126984	56.293	ug/l	99
45) 1,2-Dichloropropane	6.23	63	100427	52.036	ug/l	97
46) Dibromomethane	6.08	93	73057	56.930	ug/l	97
47) Bromodichloromethane	6.37	83	185694	58.485	ug/l	96
48) Methyl methacrylate	6.71	41	62582	56.213	ug/l	97
49) 1,4-Dioxane	6.70	88	8829	1146.260	ug/l	91
51) 4-Methyl-2-Pentanone	8.25	43	335874	275.570	ug/l	97
52) Toluene	7.62	92	249780	51.581	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	138718	55.020	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	179249	56.878	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	80515	58.551	ug/l	99
56) Ethyl methacrylate	8.61	69	88663	55.419	ug/l	97
57) 1,3-Dichloropropane	8.84	76	134123	52.036	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	58451	337.578	ug/l	97
59) 2-Hexanone	9.48	43	258886	304.602	ug/l	99
60) Dibromochloromethane	8.70	129	110858	55.143	ug/l	97
61) 1,2-Dibromoethane	8.98	107	85263	54.162	ug/l	95
64) Tetrachloroethene	8.14	164	105809	52.193	ug/l	96
65) Chlorobenzene	9.79	112	267088	48.721	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	114241	52.312	ug/l	100
67) Ethyl Benzene	9.89	91	499779	49.898	ug/l	97
68) m/p-Xylenes	10.12	106	350787	97.376	ug/l	99
69) o-Xylene	10.70	106	203099	52.019	ug/l	98
70) Styrene	10.78	104	272795	51.043	ug/l	98
71) Bromoform	10.76	173	59309	60.444	ug/l #	97
73) Isopropylbenzene	11.12	105	601776	53.337	ug/l	99
74) N-amyl acetate	11.37	43	147329	55.223	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	100171	49.838	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	71899	49.783	ug/l	95
77) Bromobenzene	11.48	156	126710	53.178	ug/l	86
78) n-propylbenzene	11.59	91	666808	48.324	ug/l	98
79) 2-Chlorotoluene	11.71	91	386389	49.358	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	448524	49.260	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	32353m	51.532	ug/l	
82) 4-Chlorotoluene	11.89	91	386707	48.954	ug/l	98
83) tert-Butylbenzene	12.13	119	493301	52.345	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	462444	49.307	ug/l	95
85) sec-Butylbenzene	12.30	105	640665	50.059	ug/l	99
86) p-Isopropyltoluene	12.45	119	539671	51.368	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	231903	48.834	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	232901	51.725	ug/l	96
89) n-Butylbenzene	12.84	91	562297	51.897	ug/l	97
90) Hexachloroethane	12.91	117	139041	56.144	ug/l	82
91) 1,2-Dichlorobenzene	12.93	146	225079	50.496	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21085	59.144	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	165595	53.033	ug/l	98
94) Hexachlorobutadiene	14.19	225	109071	56.292	ug/l	98
95) Naphthalene	14.45	128	319037	53.778	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	153340	53.049	ug/l	97

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

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