

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061561.D
 Acq On : 8 Feb 2019 16:50
 Operator : VA/AP
 Sample : VF0208SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0208SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 2:32:06 AM

Quant Time: Feb 09 04:42:13 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	162014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	288369	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	266275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	131742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	105332	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	4.11	113	114752	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	7.55	98	308393	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.41	95	142995	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	61910	19.448	ug/l	91
3) Chloromethane	1.09	50	47936	20.537	ug/l	96
4) Vinyl Chloride	1.14	62	44773	21.563	ug/l	96
5) Bromomethane	1.32	94	28983	21.406	ug/l	82
6) Chloroethane	1.38	64	18528	20.138	ug/l	95
7) Trichlorofluoromethane	1.49	101	82856	20.527	ug/l	100
8) Diethyl Ether	1.63	74	10306	19.926	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	42622	21.976	ug/l	87
10) Methyl Iodide	1.89	142	61468m	20.443	ug/l	
11) Tert butyl alcohol	2.58	59	9743	115.073	ug/l #	91
12) 1,1-Dichloroethene	1.78	96	31468	21.838	ug/l	95
13) Acrolein	2.00	56	5639	84.463	ug/l	91
14) Allyl chloride	2.10	41	51037	32.506	ug/l	87
15) Acrylonitrile	2.94	53	22440	103.469	ug/l	92
16) Acetone	2.24	43	55373	137.992	ug/l	93
17) Carbon Disulfide	1.81	76	92780	20.650	ug/l	97
18) Methyl Acetate	2.34	43	19139	24.050	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	69561	21.535	ug/l	97
20) Methylene Chloride	2.18	84	33136m	23.391	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	34014	21.455	ug/l	96
22) Diisopropyl ether	2.80	45	113498	22.134	ug/l #	96
23) Vinyl Acetate	3.18	43	259197	116.645	ug/l	100
24) 1,1-Dichloroethane	2.87	63	70357	21.861	ug/l	97
25) 2-Butanone	4.34	43	80515	120.656	ug/l	98
26) 2,2-Dichloropropane	3.60	77	43542	22.021	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	51066	21.821	ug/l	95
28) Bromochloromethane	3.72	49	30000	20.737	ug/l	99
29) Tetrahydrofuran	4.07	42	29132	101.386	ug/l	98
30) Chloroform	3.86	83	98137	22.594	ug/l	98
31) Cyclohexane	3.70	56	66647	20.731	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	72508	22.767	ug/l	99
36) 1,1-Dichloropropene	4.28	75	70768	21.166	ug/l	98
37) Ethyl Acetate	4.11	43	28981	21.684	ug/l #	97
38) Carbon Tetrachloride	3.98	117	64629	22.110	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	73449	20.271	ug/l	99
40) Benzene	4.63	78	158754	21.338	ug/l	100
41) Methacrylonitrile	4.74	41	16848	23.691	ug/l #	83
42) 1,2-Dichloroethane	4.94	62	55089	20.779	ug/l	95
43) Isopropyl Acetate	6.96	43	34790	20.740	ug/l #	93
44) Trichloroethene	5.50	130	51659	22.635	ug/l	94
45) 1,2-Dichloropropane	6.24	63	41628	21.319	ug/l	97
46) Dibromomethane	6.08	93	26321	20.272	ug/l	92
47) Bromodichloromethane	6.38	83	69412	21.607	ug/l	93
48) Methyl methacrylate	6.71	41	23857	21.180	ug/l	93
49) 1,4-Dioxane	6.71	88	3214	364.672	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	141976	115.132	ug/l	97
52) Toluene	7.62	92	94136	19.214	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	57687	22.615	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	73183	22.952	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	35386	25.434	ug/l	96
56) Ethyl methacrylate	8.62	69	32297	19.953	ug/l	93
57) 1,3-Dichloropropane	8.85	76	57198	21.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	24238	154.597	ug/l	98
59) 2-Hexanone	9.49	43	108021	125.620	ug/l	95
60) Dibromochloromethane	8.72	129	43019	21.150	ug/l	91
61) 1,2-Dibromoethane	8.98	107	32695	20.528	ug/l	95
64) Tetrachloroethene	8.15	164	40291	20.121	ug/l	90
65) Chlorobenzene	9.79	112	123506	22.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	49399	22.901	ug/l	97
67) Ethyl Benzene	9.90	91	220667	22.305	ug/l	98
68) m/p-Xylenes	10.13	106	158247	44.473	ug/l	97
69) o-Xylene	10.71	106	83029	21.529	ug/l	94
70) Styrene	10.79	104	117501	22.258	ug/l	98
71) Bromoform	10.77	173	22680	23.401	ug/l #	96
73) Isopropylbenzene	11.12	105	261895	24.442	ug/l	98
74) N-amyl acetate	11.37	43	59434	23.458	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	45056	23.604	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	31239	22.776	ug/l	99
77) Bromobenzene	11.50	156	51336	22.686	ug/l	97
78) n-propylbenzene	11.60	91	312548	22.491	ug/l	98
79) 2-Chlorotoluene	11.72	91	172731	23.234	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	203977	23.589	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	13267m	22.251	ug/l	
82) 4-Chlorotoluene	11.89	91	173761	23.162	ug/l	93
83) tert-Butylbenzene	12.13	119	218901	24.459	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	211017	23.691	ug/l	94
85) sec-Butylbenzene	12.31	105	281170	23.134	ug/l	97
86) p-Isopropyltoluene	12.46	119	242672	24.322	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	103814	21.886	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	97709	22.850	ug/l	97
89) n-Butylbenzene	12.84	91	255547	24.835	ug/l	97
90) Hexachloroethane	12.92	117	57072	24.266	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	96022	22.683	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7312	21.597	ug/l	71

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93) 1,2,4-Trichlorobenzene	14.20	180	68364	23.054	ug/l	98
94) Hexachlorobutadiene	14.19	225	42389	23.036	ug/l	98
95) Naphthalene	14.46	128	114032	20.240	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	58750	21.402	ug/l	96

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

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