

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
 Data File : VF061143.D
 Acq On : 22 Dec 2018 14:33
 Operator : VA/AP
 Sample : VF1222SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:05:08 AM

Quant Time: Dec 24 03:19:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	195516	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	355333	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	344096	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	167615	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	122467	48.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	4.14	113	130665	45.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.82%	
50) Toluene-d8	7.58	98	360749	44.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.44%	
62) 4-Bromofluorobenzene	11.43	95	169296	45.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	82773	19.045	ug/l	99
3) Chloromethane	1.11	50	54570	21.919	ug/l	98
4) Vinyl Chloride	1.15	62	50598	21.909	ug/l	91
5) Bromomethane	1.34	94	32779	20.463	ug/l	93
6) Chloroethane	1.40	64	22166	20.830	ug/l	89
7) Trichlorofluoromethane	1.49	101	87917	19.937	ug/l	96
8) Diethyl Ether	1.64	74	13410	22.208	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.84	101	46512	20.343	ug/l	96
10) Methyl Iodide	1.91	142	71250m	19.770	ug/l	
11) Tert butyl alcohol	2.59	59	11984	118.095	ug/l	98
12) 1,1-Dichloroethene	1.80	96	35914	20.838	ug/l	94
13) Acrolein	2.02	56	8217	112.060	ug/l	92
14) Allyl chloride	2.11	41	42484	23.687	ug/l	98
15) Acrylonitrile	2.95	53	28006	119.350	ug/l	# 90
16) Acetone	2.25	43	57109	113.602	ug/l	94
17) Carbon Disulfide	1.85	76	104488	20.062	ug/l	100
18) Methyl Acetate	2.36	43	21386	20.562	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	86177	22.527	ug/l	96
20) Methylene Chloride	2.25	84	39105m	21.810	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	37013	20.079	ug/l	92
22) Diisopropyl ether	2.82	45	133206	22.296	ug/l	95
23) Vinyl Acetate	3.21	43	334969	121.537	ug/l	99
24) 1,1-Dichloroethane	2.89	63	78539	22.188	ug/l	97
25) 2-Butanone	4.36	43	98000	120.201	ug/l	99
26) 2,2-Dichloropropane	3.62	77	43704	21.514	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	60301	21.368	ug/l	93
28) Bromochloromethane	3.75	49	40302	22.439	ug/l	96
29) Tetrahydrofuran	4.11	42	40434	121.849	ug/l	98
30) Chloroform	3.88	83	108144	20.375	ug/l	97
31) Cyclohexane	3.71	56	82875	22.563	ug/l	89
32) 1,1,1-Trichloroethane	4.12	97	67098	21.091	ug/l	95
36) 1,1-Dichloropropene	4.31	75	83512	19.471	ug/l	93
37) Ethyl Acetate	4.14	43	37740	20.433	ug/l	# 79
38) Carbon Tetrachloride	4.02	117	68047	20.833	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	85254	22.156	ug/l	94
40) Benzene	4.66	78	189032	20.494	ug/l	95
41) Methacrylonitrile	4.77	41	22908	25.290	ug/l	93
42) 1,2-Dichloroethane	4.97	62	69139	19.732	ug/l	98
43) Isopropyl Acetate	6.99	43	47131	22.758	ug/l	100
44) Trichloroethene	5.53	130	58630	20.162	ug/l	96
45) 1,2-Dichloropropane	6.26	63	49432	19.698	ug/l #	88
46) Dibromomethane	6.11	93	32479	19.955	ug/l	94
47) Bromodichloromethane	6.42	83	86470	20.447	ug/l	96
48) Methyl methacrylate	6.74	41	30565	21.141	ug/l	92
49) 1,4-Dioxane	6.73	88	4549	433.629	ug/l #	85
51) 4-Methyl-2-Pentanone	8.28	43	173952	122.472	ug/l	99
52) Toluene	7.65	92	123349	20.202	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	70028	20.527	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	89837	20.981	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	38242	20.893	ug/l	96
56) Ethyl methacrylate	8.65	69	42920	21.670	ug/l	98
57) 1,3-Dichloropropane	8.87	76	68692	20.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	42588	111.958	ug/l	97
59) 2-Hexanone	9.51	43	120246	117.067	ug/l	99
60) Dibromochloromethane	8.74	129	51957	19.802	ug/l	93
61) 1,2-Dibromoethane	9.01	107	40276	20.603	ug/l	93
64) Tetrachloroethene	8.18	164	49005	18.514	ug/l	98
65) Chlorobenzene	9.82	112	136534	19.207	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.96	131	53865	18.542	ug/l	94
67) Ethyl Benzene	9.93	91	251716	19.437	ug/l	97
68) m/p-Xylenes	10.16	106	181104	39.737	ug/l	98
69) o-Xylene	10.74	106	96982	19.187	ug/l	99
70) Styrene	10.81	104	142984	20.315	ug/l	98
71) Bromoform	10.80	173	27979	20.818	ug/l #	95
73) Isopropylbenzene	11.14	105	287586	19.910	ug/l	98
74) N-amyl acetate	11.39	43	77821	24.267	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	51072	21.304	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	38044	21.325	ug/l	100
77) Bromobenzene	11.52	156	59784	19.227	ug/l	89
78) n-propylbenzene	11.61	91	341216	18.048	ug/l	99
79) 2-Chlorotoluene	11.73	91	192414	19.419	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	241466	20.302	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	16547m	21.584	ug/l	
82) 4-Chlorotoluene	11.92	91	202266	19.733	ug/l	97
83) tert-Butylbenzene	12.15	119	245591	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	233155	19.658	ug/l	95
85) sec-Butylbenzene	12.33	105	323546	20.257	ug/l	98
86) p-Isopropyltoluene	12.47	119	269738	20.346	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	116578	19.716	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	109859	19.241	ug/l	98
89) n-Butylbenzene	12.86	91	282853	18.524	ug/l	95
90) Hexachloroethane	12.94	117	62160	18.978	ug/l	87
91) 1,2-Dichlorobenzene	12.96	146	113172	20.359	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8816	20.041	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	79737	20.226	ug/l	95
94) Hexachlorobutadiene	14.21	225	46291	18.437	ug/l	96
95) Naphthalene	14.48	128	148189	20.586	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	71654	19.661	ug/l	98

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

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