

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062130.D
 Acq On : 25 Mar 2019 14:31
 Operator : VA/AP
 Sample : VF0325SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 3:59:24 PM

Quant Time: Mar 26 05:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	251433	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	389256	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	320180	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	178594	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	105293	56.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.11	113	145605	55.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	7.55	98	414143	52.69	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.41	95	157457	51.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	76985	23.901	ug/l	98
3) Chloromethane	1.09	50	81108	24.065	ug/l	90
4) Vinyl Chloride	1.14	62	78397	25.147	ug/l	94
5) Bromomethane	1.32	94	48381	21.589	ug/l	96
6) Chloroethane	1.39	64	38564	24.573	ug/l	96
7) Trichlorofluoromethane	1.47	101	90088	23.927	ug/l	97
8) Diethyl Ether	1.63	74	18692	21.733	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	61748	24.039	ug/l	95
10) Methyl Iodide	1.91	142	112027m	22.951	ug/l	
11) Tert butyl alcohol	2.57	59	11107	107.939	ug/l	97
12) 1,1-Dichloroethene	1.80	96	53285	21.986	ug/l	98
13) Acrolein	2.00	56	15615	126.194	ug/l	93
14) Allyl chloride	2.09	41	68252	26.377	ug/l	96
15) Acrylonitrile	2.94	53	41296	114.125	ug/l	95
16) Acetone	2.24	43	43147	109.619	ug/l	100
17) Carbon Disulfide	1.81	76	167889	22.717	ug/l	99
18) Methyl Acetate	2.35	43	20633	21.975	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	92734	24.209	ug/l	95
20) Methylene Chloride	2.18	84	60332m	23.811	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	58190	24.954	ug/l	96
22) Diisopropyl ether	2.80	45	159264	23.476	ug/l	95
23) Vinyl Acetate	3.19	43	334994	120.603	ug/l	97
24) 1,1-Dichloroethane	2.87	63	94780	23.297	ug/l	98
25) 2-Butanone	4.33	43	93785	114.134	ug/l	96
26) 2,2-Dichloropropane	3.60	77	39805	24.131	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	69529	22.501	ug/l	94
28) Bromochloromethane	3.71	49	40480	24.353	ug/l	88
29) Tetrahydrofuran	4.06	42	40083	112.193	ug/l	97
30) Chloroform	3.86	83	104721	24.356	ug/l	94
31) Cyclohexane	3.69	56	96572m	22.728	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	63912	24.436	ug/l	95
36) 1,1-Dichloropropene	4.28	75	76935	20.750	ug/l	96
37) Ethyl Acetate	4.11	43	34803	21.479	ug/l	97
38) Carbon Tetrachloride	4.00	117	59861	23.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	94286	21.911	ug/l	92
40) Benzene	4.63	78	219604	22.094	ug/l	99
41) Methacrylonitrile	4.74	41	18376	21.434	ug/l	89
42) 1,2-Dichloroethane	4.94	62	50657	21.552	ug/l	99
43) Isopropyl Acetate	6.95	43	41345	21.069	ug/l #	95
44) Trichloroethene	5.49	130	66349	21.834	ug/l	99
45) 1,2-Dichloropropane	6.23	63	52333	22.075	ug/l	99
46) Dibromomethane	6.09	93	31707	21.874	ug/l	96
47) Bromodichloromethane	6.38	83	70691	22.018	ug/l	99
48) Methyl methacrylate	6.71	41	25273	22.620	ug/l	97
49) 1,4-Dioxane	6.71	88	4944	504.289	ug/l	94
51) 4-Methyl-2-Pentanone	8.26	43	157958	120.265	ug/l	99
52) Toluene	7.62	92	126393	21.955	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	59877	23.757	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	78521	21.773	ug/l	93
55) 1,1,2-Trichloroethane	8.48	97	35848	21.922	ug/l	97
56) Ethyl methacrylate	8.62	69	43450	22.279	ug/l	96
57) 1,3-Dichloropropane	8.85	76	59621	21.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	34014	114.938	ug/l	96
59) 2-Hexanone	9.49	43	108670	112.891	ug/l	96
60) Dibromochloromethane	8.71	129	53103	23.359	ug/l	99
61) 1,2-Dibromoethane	8.99	107	39175	22.455	ug/l	89
64) Tetrachloroethene	8.15	164	55018	22.242	ug/l	94
65) Chlorobenzene	9.79	112	133908	22.352	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	56785	23.597	ug/l	93
67) Ethyl Benzene	9.89	91	243725	23.393	ug/l	99
68) m/p-Xylenes	10.13	106	177401	45.557	ug/l	99
69) o-Xylene	10.71	106	93655	22.964	ug/l	100
70) Styrene	10.78	104	139317	22.546	ug/l	97
71) Bromoform	10.77	173	26440	21.481	ug/l #	98
73) Isopropylbenzene	11.12	105	284841	22.666	ug/l	93
74) N-amyl acetate	11.37	43	68833	22.987	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	50144	23.239	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	32742	21.561	ug/l	92
77) Bromobenzene	11.49	156	63309	20.620	ug/l	83
78) n-propylbenzene	11.59	91	327178	22.421	ug/l	99
79) 2-Chlorotoluene	11.72	91	182234	22.468	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	240394	23.256	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.86	75	14841m	23.984	ug/l	
82) 4-Chlorotoluene	11.89	91	180437	21.697	ug/l	99
83) tert-Butylbenzene	12.12	119	235036	21.721	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	227263	22.427	ug/l	96
85) sec-Butylbenzene	12.30	105	304230	21.733	ug/l	98
86) p-Isopropyltoluene	12.46	119	269904	22.255	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	126045	22.097	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	122926	22.084	ug/l	99
89) n-Butylbenzene	12.84	91	267995	23.161	ug/l	95
90) Hexachloroethane	12.91	117	62775	21.738	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	115836	21.626	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6633	20.288	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	86725	23.232	ug/l	98
94) Hexachlorobutadiene	14.18	225	55505	22.362	ug/l	98
95) Naphthalene	14.45	128	142984	21.857	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	77425	22.157	ug/l	96

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

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