

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061415.D
 Acq On : 16 Jan 2019 16:49
 Operator : VA/AP
 Sample : VF0116SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0116SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 1:23:46 PM

Quant Time: Jan 17 03:10:03 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	4.86	168	216223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	370515	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	327085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	167071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	118356	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	
35) Dibromofluoromethane	4.10	113	141219	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	7.55	98	396167	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.40	95	168116	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	74834	17.614	ug/l	88
3) Chloromethane	1.09	50	57971	18.609	ug/l	97
4) Vinyl Chloride	1.13	62	53176	19.190	ug/l	96
5) Bromomethane	1.30	94	35912	19.874	ug/l	87
6) Chloroethane	1.37	64	22777	18.550	ug/l	89
7) Trichlorofluoromethane	1.47	101	89259	16.569	ug/l	94
8) Diethyl Ether	1.63	74	12210	17.689	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.82	101	50177	19.385	ug/l	98
10) Methyl Iodide	1.88	142	75886m	18.911	ug/l	
11) Tert butyl alcohol	2.57	59	11054	97.825	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	38160	19.843	ug/l	90
13) Acrolein	2.00	56	7922	88.365	ug/l	97
14) Allyl chloride	2.09	41	63908	29.913	ug/l	87
15) Acrylonitrile	2.93	53	28284	97.719	ug/l	99
16) Acetone	2.24	43	60423	112.826	ug/l #	91
17) Carbon Disulfide	1.80	76	116584	19.443	ug/l #	92
18) Methyl Acetate	2.34	43	18319	17.248	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	74068	17.181	ug/l	96
20) Methylene Chloride	2.18	84	37572m	19.599	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39235	18.543	ug/l	95
22) Diisopropyl ether	2.79	45	137951	20.158	ug/l	94
23) Vinyl Acetate	3.18	43	342832	115.631	ug/l	99
24) 1,1-Dichloroethane	2.87	63	82883	19.297	ug/l	98
25) 2-Butanone	4.32	43	98122	110.177	ug/l	94
26) 2,2-Dichloropropane	3.59	77	50869	19.276	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	59912	19.182	ug/l	96
28) Bromochloromethane	3.71	49	35606	18.442	ug/l #	97
29) Tetrahydrofuran	4.07	42	38662	100.819	ug/l	97
30) Chloroform	3.86	83	109961	18.970	ug/l	96
31) Cyclohexane	3.69	56	92541	21.569	ug/l	92
32) 1,1,1-Trichloroethane	4.08	97	83560	19.660	ug/l	93
36) 1,1-Dichloropropene	4.27	75	85600	19.926	ug/l	98
37) Ethyl Acetate	4.10	43	35112	20.447	ug/l #	74
38) Carbon Tetrachloride	3.99	117	71106	18.933	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	94187	20.231	ug/l	92
40) Benzene	4.62	78	206106	21.561	ug/l	97
41) Methacrylonitrile	4.74	41	18881	20.663	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	58872	17.283	ug/l	96
43) Isopropyl Acetate	6.95	43	41443	19.229	ug/l	92
44) Trichloroethene	5.49	130	59469	20.280	ug/l	92
45) 1,2-Dichloropropane	6.22	63	52648	20.985	ug/l	97
46) Dibromomethane	6.08	93	31373	18.806	ug/l	92
47) Bromodichloromethane	6.38	83	76739	18.592	ug/l	94
48) Methyl methacrylate	6.71	41	28836	19.925	ug/l #	89
49) 1,4-Dioxane	6.71	88	4508	404.927	ug/l #	86
51) 4-Methyl-2-Pentanone	8.25	43	165385	104.381	ug/l	98
52) Toluene	7.62	92	121290	19.267	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	67824	20.694	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	87368	21.326	ug/l	93
55) 1,1,2-Trichloroethane	8.48	97	36352	20.335	ug/l	91
56) Ethyl methacrylate	8.61	69	41421	19.916	ug/l	91
57) 1,3-Dichloropropane	8.85	76	63829	19.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	21539	115.409	ug/l	90
59) 2-Hexanone	9.49	43	126472	114.469	ug/l	99
60) Dibromochloromethane	8.71	129	50158	19.193	ug/l	100
61) 1,2-Dibromoethane	8.98	107	37956	18.547	ug/l	84
64) Tetrachloroethene	8.15	164	49489	20.120	ug/l	96
65) Chlorobenzene	9.79	112	136770	20.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	56082	21.165	ug/l	98
67) Ethyl Benzene	9.89	91	259691	21.369	ug/l	98
68) m/p-Xylenes	10.12	106	186102	42.577	ug/l	97
69) o-Xylene	10.70	106	98588	20.811	ug/l	97
70) Styrene	10.78	104	138008	21.283	ug/l	97
71) Bromoform	10.76	173	25227	21.189	ug/l	96
73) Isopropylbenzene	11.12	105	302352	22.251	ug/l	100
74) N-amyl acetate	11.36	43	73902	23.000	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	51707	21.360	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	36681	21.088	ug/l	100
77) Bromobenzene	11.49	156	61614	21.471	ug/l	97
78) n-propylbenzene	11.59	91	347575	19.617	ug/l	99
79) 2-Chlorotoluene	11.71	91	202324	21.460	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	241842	22.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	15020m	19.864	ug/l	
82) 4-Chlorotoluene	11.90	91	204118	21.455	ug/l	97
83) tert-Butylbenzene	12.12	119	237450	20.921	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	239997	21.247	ug/l	96
85) sec-Butylbenzene	12.30	105	340159	22.069	ug/l	95
86) p-Isopropyltoluene	12.46	119	280908	22.201	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	120563	19.995	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	113947	21.013	ug/l	97
89) n-Butylbenzene	12.84	91	287112	22.003	ug/l	97
90) Hexachloroethane	12.91	117	63183	21.184	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	111798	20.826	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8290	19.308	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78303	20.822	µg/l	97
94) Hexachlorobutadiene	14.19	225	47266	20.255	µg/l	98
95) Naphthalene	14.45	128	133660	18.707	µg/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	68780	19.757	µg/l	99

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

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