

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059928.D
 Acq On : 8 Aug 2018 13:47
 Operator : VA/AP
 Sample : VF0808SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Manual Integrations
 APPROVED

apatel
 8/9/2018 10:55:52 AM

Quant Time: Aug 09 05:48:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	99432	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	148914	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.94	117	141383	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.65	152	97194	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	101128	56.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	4.32	113	78240	52.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	7.73	98	165816	52.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.52	95	96981	54.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	36288	21.36	ug/l	91
3) Chloromethane	1.09	50	17672	22.49	ug/l	91
4) Vinyl Chloride	1.15	62	16391	20.36	ug/l	95
5) Bromomethane	1.35	94	15959	21.00	ug/l	97
6) Chloroethane	1.43	64	11838	23.41	ug/l	90
7) Trichlorofluoromethane	1.54	101	49323	22.39	ug/l	89
8) Diethyl Ether	1.70	74	7631	21.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	26912	22.13	ug/l	95
10) Methyl Iodide	1.97	142	41136	22.02	ug/l	99
11) Tert butyl alcohol	2.68	59	10464	144.72	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	19205	21.62	ug/l	93
13) Acrolein	2.10	56	3226	74.45	ug/l	96
14) Allyl chloride	2.20	41	28966	19.56	ug/l	100
15) Acrylonitrile	3.08	53	12539	94.64	ug/l #	73
16) Acetone	2.35	43	35281	106.61	ug/l	96
17) Carbon Disulfide	1.89	76	51438	21.69	ug/l	96
18) Methyl Acetate	2.54	43	21509	38.53	ug/l	92
19) Methyl tert-butyl Ether	2.55	73	58140	23.12	ug/l	95
20) Methylene Chloride	2.29	84	24445m	26.92	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19848	22.50	ug/l	97
22) Diisopropyl ether	2.94	45	62717	22.02	ug/l #	95
23) Vinyl Acetate	3.35	43	156906	113.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	45654	22.01	ug/l	97
25) 2-Butanone	4.52	43	43236	120.15	ug/l	99
26) 2,2-Dichloropropane	3.78	77	23227	19.23	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	20449	20.61	ug/l	93
28) Bromochloromethane	3.90	49	16488	22.51	ug/l	83
29) Tetrahydrofuran	4.28	42	16256	122.72	ug/l	95
30) Chloroform	4.06	83	60676	21.62	ug/l	94
31) Cyclohexane	3.88	56	23006	22.41	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	49157	21.89	ug/l	98
36) 1,1-Dichloropropene	4.47	75	32862	19.08	ug/l	99
37) Ethyl Acetate	4.32	43	18112	24.49	ug/l #	47
38) Carbon Tetrachloride	4.19	117	57593	23.36	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	25994	20.12	µg/l	97
40) Benzene	4.83	78	65121	20.22	µg/l	97
41) Methacrylonitrile	4.94	41	7905	20.25	µg/l	88
42) 1,2-Dichloroethane	5.13	62	49287	20.67	µg/l	98
43) Isopropyl Acetate	7.13	43	16045	21.07	µg/l #	99
44) Trichloroethene	5.70	130	24022	20.94	µg/l	89
45) 1,2-Dichloropropane	6.42	63	16111	20.38	µg/l	94
46) Dibromomethane	6.27	93	15951	20.00	µg/l	97
47) Bromodichloromethane	6.56	83	45721	20.96	µg/l	93
48) Methyl methacrylate	6.89	41	13265	22.39	µg/l	92
49) 1,4-Dioxane	6.90	88	2075	528.73	µg/l #	74
51) 4-Methyl-2-Pentanone	8.43	43	89902	115.46	µg/l	95
52) Toluene	7.80	92	46434	21.34	µg/l	91
53) t-1,3-Dichloropropene	8.45	75	36682	22.11	µg/l	99
54) cis-1,3-Dichloropropene	7.48	75	34446	20.11	µg/l	91
55) 1,1,2-Trichloroethane	8.65	97	16359	20.89	µg/l	96
56) Ethyl methacrylate	8.78	69	16738	21.54	µg/l	91
57) 1,3-Dichloropropane	9.02	76	30304	22.54	µg/l	92
58) 2-Chloroethyl Vinyl ether	7.80	63	11232	108.41	µg/l	100
59) 2-Hexanone	9.65	43	63733	115.87	µg/l	99
60) Dibromochloromethane	8.88	129	30873	21.01	µg/l	94
61) 1,2-Dibromoethane	9.16	107	21332	22.36	µg/l	86
64) Tetrachloroethene	8.33	164	28712	23.54	µg/l	95
65) Chlorobenzene	9.95	112	62030	21.62	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	30890	21.64	µg/l	97
67) Ethyl Benzene	10.06	91	115365	23.08	µg/l	95
68) m/p-Xylenes	10.29	106	75941	43.94	µg/l	100
69) o-Xylene	10.84	106	41651	22.75	µg/l	98
70) Styrene	10.92	104	65113	23.83	µg/l	99
71) Bromoform	10.91	173	20008	22.87	µg/l	90
73) Isopropylbenzene	11.25	105	132696	21.92	µg/l	96
74) N-amyl acetate	11.47	43	27596	20.29	µg/l #	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	24963	21.96	µg/l	88
76) 1,2,3-Trichloropropane	11.90	75	20104	20.59	µg/l	87
77) Bromobenzene	11.61	156	36473	22.15	µg/l	99
78) n-propylbenzene	11.70	91	159540	22.32	µg/l	99
79) 2-Chlorotoluene	11.83	91	100217	22.16	µg/l	99
80) 1,3,5-Trimethylbenzene	11.93	105	125735	22.37	µg/l	99
81) trans-1,4-Dichloro-2-buten	11.98	75	6535m	18.64	µg/l	
82) 4-Chlorotoluene	12.01	91	107597	21.91	µg/l	99
83) tert-Butylbenzene	12.23	119	124730	22.79	µg/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	130472	22.57	µg/l	98
85) sec-Butylbenzene	12.40	105	159494	21.94	µg/l	98
86) p-Isopropyltoluene	12.55	119	128171	20.97	µg/l	96
87) 1,3-Dichlorobenzene	12.57	146	69676	22.34	µg/l	97
88) 1,4-Dichlorobenzene	12.66	146	68328	22.31	µg/l	99
89) n-Butylbenzene	12.93	91	129732	22.28	µg/l	99
90) Hexachloroethane	13.01	117	35129	20.83	µg/l	96
91) 1,2-Dichlorobenzene	13.03	146	67817	22.59	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6643	23.18	µg/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	52872	23.20	ug/l	96
94) Hexachlorobutadiene	14.27	225	35457	22.02	ug/l	96
95) Naphthalene	14.54	128	94386	23.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.69	180	52237	23.21	ug/l	97

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

