

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060034.D
 Acq On : 22 Aug 2018 12:30
 Operator : VA/AP
 Sample : VF0822SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:18:39 AM

Quant Time: Aug 23 04:31:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	221059	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	351783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	368339	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	215439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	154733	51.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	4.31	113	139622	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	7.73	98	378062	48.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.53	95	203269	48.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	59930	20.59	ug/l	99
3) Chloromethane	1.08	50	48206	23.56	ug/l	91
4) Vinyl Chloride	1.13	62	42154	23.33	ug/l	99
5) Bromomethane	1.33	94	30444	22.17	ug/l	93
6) Chloroethane	1.40	64	14385	20.20	ug/l #	87
7) Trichlorofluoromethane	1.49	101	78886	21.71	ug/l	96
8) Diethyl Ether	1.71	74	14244	21.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.87	101	42791	22.43	ug/l	94
10) Methyl Iodide	1.94	142	54660	21.68	ug/l	97
11) Tert butyl alcohol	2.70	59	16499	102.51	ug/l #	75
12) 1,1-Dichloroethene	1.84	96	31151	22.17	ug/l	97
13) Acrolein	2.10	56	5978	80.72	ug/l	93
14) Allyl chloride	2.19	41	54644	21.90	ug/l	97
15) Acrylonitrile	3.09	53	31969	100.65	ug/l	90
16) Acetone	2.35	43	96773	121.70	ug/l	98
17) Carbon Disulfide	1.85	76	105606	24.00	ug/l	99
18) Methyl Acetate	2.46	43	31839	21.06	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	92382	20.52	ug/l	99
20) Methylene Chloride	2.29	84	40911	23.40	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	33510	21.31	ug/l	99
22) Diisopropyl ether	2.94	45	109750	19.64	ug/l	98
23) Vinyl Acetate	3.35	43	336476	113.65	ug/l	100
24) 1,1-Dichloroethane	3.02	63	74830	21.68	ug/l	98
25) 2-Butanone	4.53	43	116180	112.49	ug/l	99
26) 2,2-Dichloropropane	3.78	77	77051	21.57	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	51156	22.96	ug/l	94
28) Bromochloromethane	3.91	49	32702	22.44	ug/l	100
29) Tetrahydrofuran	4.27	42	39727	101.88	ug/l	97
30) Chloroform	4.06	83	100991	20.84	ug/l	98
31) Cyclohexane	3.87	56	62026	23.58	ug/l #	89
32) 1,1,1-Trichloroethane	4.29	97	88235	21.26	ug/l	99
36) 1,1-Dichloropropene	4.48	75	66035	19.98	ug/l	93
37) Ethyl Acetate	4.31	43	45606	23.07	ug/l #	64
38) Carbon Tetrachloride	4.19	117	77770	20.32	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	67531	21.79	ug/l	89
40) Benzene	4.83	78	155217	21.49	ug/l	98
41) Methacrylonitrile	4.95	41	20186	20.19	ug/l #	86
42) 1,2-Dichloroethane	5.14	62	72009	18.60	ug/l	96
43) Isopropyl Acetate	7.13	43	47682	19.16	ug/l #	95
44) Trichloroethene	5.69	130	51715	21.66	ug/l	95
45) 1,2-Dichloropropane	6.41	63	44995	22.03	ug/l	98
46) Dibromomethane	6.28	93	34613	21.65	ug/l	98
47) Bromodichloromethane	6.57	83	79218	20.52	ug/l	97
48) Methyl methacrylate	6.90	41	29456	17.89	ug/l	93
49) 1,4-Dioxane	6.90	88	6171	390.39	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	223844	104.17	ug/l	97
52) Toluene	7.80	92	112282	21.36	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	72829	20.80	ug/l #	87
54) cis-1,3-Dichloropropene	7.48	75	78430	20.07	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	42262	21.69	ug/l	93
56) Ethyl methacrylate	8.78	69	50384	21.36	ug/l	91
57) 1,3-Dichloropropane	9.02	76	70855	20.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.80	63	18522	98.93	ug/l	100
59) 2-Hexanone	9.65	43	187791	107.98	ug/l	100
60) Dibromochloromethane	8.89	129	56434	19.62	ug/l	99
61) 1,2-Dibromoethane	9.15	107	46823	20.46	ug/l	98
64) Tetrachloroethene	8.33	164	49413	19.91	ug/l	93
65) Chlorobenzene	9.96	112	147838	21.26	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	53092	20.13	ug/l	93
67) Ethyl Benzene	10.06	91	258332	21.53	ug/l	99
68) m/p-Xylenes	10.29	106	193025	43.85	ug/l	99
69) o-Xylene	10.85	106	99964	21.26	ug/l	96
70) Styrene	10.92	104	157692	21.86	ug/l	97
71) Bromoform	10.91	173	36352	19.75	ug/l	94
73) Isopropylbenzene	11.24	105	295905	22.82	ug/l	98
74) N-amyl acetate	11.48	43	86128	21.37	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	62988	22.24	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	45542	20.74	ug/l	91
77) Bromobenzene	11.61	156	75318	21.36	ug/l	89
78) n-propylbenzene	11.71	91	365222	22.82	ug/l	99
79) 2-Chlorotoluene	11.83	91	211870	22.51	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	251721	22.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	21579m	21.47	ug/l	
82) 4-Chlorotoluene	12.00	91	225467	22.07	ug/l	96
83) tert-Butylbenzene	12.23	119	249698	22.66	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	264672	22.04	ug/l	97
85) sec-Butylbenzene	12.40	105	338753	22.08	ug/l	96
86) p-Isopropyltoluene	12.55	119	293644	23.07	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	141876	21.76	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	136306	21.03	ug/l	97
89) n-Butylbenzene	12.93	91	284226	22.99	ug/l	98
90) Hexachloroethane	13.01	117	63341	22.15	ug/l	86
91) 1,2-Dichlorobenzene	13.04	146	135444	21.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	11192	19.34	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102899	22.28	ug/l	97
94) Hexachlorobutadiene	14.27	225	61953	21.55	ug/l	96
95) Naphthalene	14.55	128	141373	19.12	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	97422	22.11	ug/l	94

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

