

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060545.D
 Acq On : 30 Oct 2018 15:22
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:29:11 AM

Quant Time: Oct 31 05:14:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	211475	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	335094	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	266905	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	167569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	194883	59.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	4.29	113	173878	54.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	7.71	98	373766	47.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.50	95	165980	45.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	118132	31.17	ug/l	100
3) Chloromethane	1.13	50	56612	24.42	ug/l	96
4) Vinyl Chloride	1.18	62	62291	24.57	ug/l	91
5) Bromomethane	1.35	94	61041	30.63	ug/l	96
6) Chloroethane	1.43	64	36865	27.93	ug/l	96
7) Trichlorofluoromethane	1.55	101	171659	28.10	ug/l	93
8) Diethyl Ether	1.71	74	18497	24.14	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	75477	27.47	ug/l #	90
10) Methyl Iodide	1.97	142	116377m	25.19	ug/l	
11) Tert butyl alcohol	2.69	59	19889	155.67	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	56869	23.93	ug/l	86
13) Acrolein	2.09	56	17861	149.59	ug/l	94
14) Allyl chloride	2.19	41	89500	23.68	ug/l	96
15) Acrylonitrile	3.07	53	34292	105.13	ug/l #	90
16) Acetone	2.34	43	112131	175.88	ug/l	98
17) Carbon Disulfide	1.88	76	172316	25.80	ug/l	98
18) Methyl Acetate	2.45	43	23722	25.25	ug/l #	84
19) Methyl tert-butyl Ether	2.53	73	140152	26.32	ug/l	97
20) Methylene Chloride	2.28	84	52981m	24.12	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	56759	23.35	ug/l	92
22) Diisopropyl ether	2.93	45	167446	24.39	ug/l	94
23) Vinyl Acetate	3.32	43	289905	113.86	ug/l #	95
24) 1,1-Dichloroethane	3.00	63	124638	25.16	ug/l	98
25) 2-Butanone	4.52	43	100937	117.98	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	78433	25.48	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	58211	19.86	ug/l	91
28) Bromochloromethane	3.88	49	37338	20.93	ug/l	95
29) Tetrahydrofuran	4.25	42	29111	98.43	ug/l	95
30) Chloroform	4.03	83	150624	24.08	ug/l	97
31) Cyclohexane	3.86	56	71267	20.15	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	125829	24.33	ug/l	92
36) 1,1-Dichloropropene	4.46	75	95304	22.83	ug/l	90
37) Ethyl Acetate	4.29	43	29161	21.57	ug/l	91
38) Carbon Tetrachloride	4.17	117	131592	26.32	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	84890	20.13	ug/l	87
40) Benzene	4.81	78	167162	20.19	ug/l	94
41) Methacrylonitrile	4.92	41	16144	20.90	ug/l	93
42) 1,2-Dichloroethane	5.12	62	94861	24.67	ug/l	87
43) Isopropyl Acetate	7.11	43	30963	18.93	ug/l #	98
44) Trichloroethene	5.67	130	56938	21.27	ug/l	82
45) 1,2-Dichloropropane	6.40	63	37106	17.96	ug/l	99
46) Dibromomethane	6.25	93	38132	23.50	ug/l	96
47) Bromodichloromethane	6.55	83	97980	23.53	ug/l	100
48) Methyl methacrylate	6.87	41	23496	20.82	ug/l #	85
49) 1,4-Dioxane	6.87	88	3359	319.98	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	133545	112.69	ug/l #	87
52) Toluene	7.78	92	103654	19.28	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	74399	22.87	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	81672	21.19	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	30243	18.78	ug/l	94
56) Ethyl methacrylate	8.75	69	34875	19.30	ug/l	90
57) 1,3-Dichloropropane	9.00	76	51651	18.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	23578	126.58	ug/l	100
59) 2-Hexanone	9.63	43	92648	101.94	ug/l	94
60) Dibromochloromethane	8.86	129	57980	22.35	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35107	18.83	ug/l	90
64) Tetrachloroethene	8.30	164	51935	23.02	ug/l	93
65) Chlorobenzene	9.94	112	114582	21.34	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	60418	24.69	ug/l	94
67) Ethyl Benzene	10.04	91	238751	23.27	ug/l	98
68) m/p-Xylenes	10.26	106	147057	41.97	ug/l	95
69) o-Xylene	10.82	106	82627	20.94	ug/l	79
70) Styrene	10.90	104	118800	21.35	ug/l	99
71) Bromoform	10.88	173	30608	24.25	ug/l	94
73) Isopropylbenzene	11.23	105	279017	21.78	ug/l	99
74) N-amyl acetate	11.47	43	44606	17.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	41025	19.19	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	34744	21.61	ug/l	97
77) Bromobenzene	11.59	156	57175	20.29	ug/l	85
78) n-propylbenzene	11.68	91	323721	21.31	ug/l	95
79) 2-Chlorotoluene	11.81	91	190760	20.98	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	245409	22.17	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.96	75	14620m	20.82	ug/l	
82) 4-Chlorotoluene	11.99	91	188162	19.96	ug/l	99
83) tert-Butylbenzene	12.21	119	240545	22.43	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	233899	20.80	ug/l	92
85) sec-Butylbenzene	12.38	105	322786	21.47	ug/l	95
86) p-Isopropyltoluene	12.54	119	266272	21.58	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	113729	20.22	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	115999	21.85	ug/l	93
89) n-Butylbenzene	12.91	91	290113	21.62	ug/l	90
90) Hexachloroethane	12.99	117	67400	21.17	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	106521	20.10	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10947	24.70	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88866	22.38	ug/l	98
94) Hexachlorobutadiene	14.25	225	65683	23.37	ug/l	93
95) Naphthalene	14.52	128	141142	20.10	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	86914	23.00	ug/l	92

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

