

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060542.D
 Acq On : 30 Oct 2018 13:29
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:24:50 AM

Quant Time: Oct 31 05:08:43 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	242573	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	388324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	313453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	185800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	220456	58.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.84%	
35) Dibromofluoromethane	4.29	113	207701	55.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.48%	
50) Toluene-d8	7.71	98	460944	50.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.50	95	199702	47.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	125294	28.45	ug/l	95
3) Chloromethane	1.14	50	68937	26.11	ug/l	98
4) Vinyl Chloride	1.19	62	72495	24.93	ug/l	97
5) Bromomethane	1.36	94	61939	27.10	ug/l	94
6) Chloroethane	1.43	64	39182	25.88	ug/l	99
7) Trichlorofluoromethane	1.56	101	179215	25.58	ug/l	97
8) Diethyl Ether	1.70	74	21662	24.65	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	84447	26.77	ug/l	93
10) Methyl Iodide	1.97	142	131413m	24.79	ug/l	
11) Tert butyl alcohol	2.68	59	22362	152.37	ug/l	96
12) 1,1-Dichloroethene	1.86	96	66316	24.33	ug/l	96
13) Acrolein	2.09	56	18172	132.36	ug/l #	82
14) Allyl chloride	2.19	41	104223	24.04	ug/l	91
15) Acrylonitrile	3.06	53	38256	102.25	ug/l	94
16) Acetone	2.34	43	119902	163.28	ug/l	94
17) Carbon Disulfide	1.90	76	189570	24.74	ug/l #	85
18) Methyl Acetate	2.44	43	27004	25.08	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	146965	24.06	ug/l	93
20) Methylene Chloride	2.28	84	63137m	25.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	67924	24.36	ug/l	89
22) Diisopropyl ether	2.93	45	192055	24.39	ug/l	97
23) Vinyl Acetate	3.33	43	335359	114.83	ug/l	100
24) 1,1-Dichloroethane	3.01	63	134420	23.66	ug/l	99
25) 2-Butanone	4.50	43	112822	114.19	ug/l	94
26) 2,2-Dichloropropane	3.75	77	85459	24.20	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	65864	19.59	ug/l	86
28) Bromochloromethane	3.88	49	39247	19.18	ug/l	86
29) Tetrahydrofuran	4.25	42	36955	110.49	ug/l	94
30) Chloroform	4.03	83	168410	23.47	ug/l	95
31) Cyclohexane	3.87	56	90329	22.27	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	140097	23.62	ug/l	97
36) 1,1-Dichloropropene	4.45	75	110143	22.76	ug/l	93
37) Ethyl Acetate	4.29	43	36775	23.48	ug/l #	89
38) Carbon Tetrachloride	4.17	117	133247	23.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	102144	20.91	ug/l	94
40) Benzene	4.81	78	201648	21.01	ug/l	95
41) Methacrylonitrile	4.92	41	18649	20.83	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	102068	22.91	ug/l	91
43) Isopropyl Acetate	7.11	43	34903	18.41	ug/l #	98
44) Trichloroethene	5.67	130	64524	20.80	ug/l	99
45) 1,2-Dichloropropane	6.40	63	47427	19.81	ug/l	97
46) Dibromomethane	6.25	93	39953	21.25	ug/l	97
47) Bromodichloromethane	6.54	83	108450	22.48	ug/l	98
48) Methyl methacrylate	6.87	41	29304	22.41	ug/l #	83
49) 1,4-Dioxane	6.87	88	3701	304.23	ug/l #	59
51) 4-Methyl-2-Pentanone	8.40	43	136655	99.51	ug/l	93
52) Toluene	7.78	92	115609	18.56	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	78636	20.86	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	92825	20.78	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	34632	18.55	ug/l	90
56) Ethyl methacrylate	8.75	69	39330	18.78	ug/l	90
57) 1,3-Dichloropropane	9.00	76	62746	19.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	23339	108.12	ug/l	100
59) 2-Hexanone	9.63	43	102646	97.43	ug/l	97
60) Dibromochloromethane	8.86	129	65128	21.66	ug/l	98
61) 1,2-Dibromoethane	9.14	107	43122	19.95	ug/l	94
64) Tetrachloroethene	8.30	164	55692	21.02	ug/l	95
65) Chlorobenzene	9.94	112	138503	21.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	63270	22.02	ug/l	93
67) Ethyl Benzene	10.03	91	261637	21.71	ug/l	97
68) m/p-Xylenes	10.26	106	180122	43.77	ug/l	88
69) o-Xylene	10.82	106	97407	21.02	ug/l	77
70) Styrene	10.90	104	140156	21.45	ug/l	98
71) Bromoform	10.88	173	31695	21.38	ug/l	94
73) Isopropylbenzene	11.23	105	330900	23.30	ug/l	99
74) N-amyl acetate	11.46	43	51372	18.06	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	50084	21.13	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	39098	21.93	ug/l	99
77) Bromobenzene	11.59	156	67620	21.64	ug/l	87
78) n-propylbenzene	11.69	91	366127	21.73	ug/l	100
79) 2-Chlorotoluene	11.81	91	225270	22.34	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	277222	22.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	16506m	21.20	ug/l	
82) 4-Chlorotoluene	11.99	91	227226	21.74	ug/l	100
83) tert-Butylbenzene	12.21	119	276421	23.24	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	279575	22.43	ug/l	95
85) sec-Butylbenzene	12.39	105	379688	22.78	ug/l	99
86) p-Isopropyltoluene	12.54	119	314379	22.98	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	137399	22.03	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	128528	21.83	ug/l	96
89) n-Butylbenzene	12.92	91	337066	23.02	ug/l	94
90) Hexachloroethane	12.99	117	77056	21.82	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	127798	21.75	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9711	19.76	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	97916	22.24	ug/l	98
94) Hexachlorobutadiene	14.25	225	72764	23.35	ug/l	98
95) Naphthalene	14.52	128	153134	19.67	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	92256	22.02	ug/l	95

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

