

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061160.D
 Acq On : 24 Dec 2018 12:48
 Operator : VA/AP
 Sample : VF1224SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBSD01

Manual Integrations
 APPROVED

apatel
 12/27/2018 12:57:38 PM

Quant Time: Dec 25 04:58:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	211402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	375154	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	336579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	170013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	121691	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	4.11	113	145469	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.55	98	391947	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.41	95	177344	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	80283	17.084	ug/l	98
3) Chloromethane	1.09	50	57432	21.335	ug/l	96
4) Vinyl Chloride	1.14	62	53105	21.267	ug/l	96
5) Bromomethane	1.32	94	31936	18.439	ug/l	90
6) Chloroethane	1.39	64	22728	19.753	ug/l #	78
7) Trichlorofluoromethane	1.48	101	85387	17.909	ug/l	94
8) Diethyl Ether	1.62	74	13502	20.680	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	46551	18.830	ug/l	90
10) Methyl Iodide	1.91	142	75313m	19.327	ug/l	
11) Tert butyl alcohol	2.58	59	10233	93.263	ug/l	94
12) 1,1-Dichloroethene	1.79	96	36894	19.798	ug/l	97
13) Acrolein	2.00	56	6886m	86.851	ug/l	
14) Allyl chloride	2.09	41	49692	25.624	ug/l	94
15) Acrylonitrile	2.94	53	29210	115.126	ug/l	93
16) Acetone	2.24	43	52730	97.009	ug/l #	87
17) Carbon Disulfide	1.82	76	111963m	19.881	ug/l	
18) Methyl Acetate	2.34	43	28739m	25.556	ug/l	
19) Methyl tert-butyl Ether	2.43	73	82555	19.959	ug/l	94
20) Methylene Chloride	2.27	84	54290m	29.406	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	40221m	20.180	ug/l	
22) Diisopropyl ether	2.80	45	132056	20.443	ug/l	99
23) Vinyl Acetate	3.18	43	335775	112.674	ug/l	98
24) 1,1-Dichloroethane	2.87	63	77005	20.119	ug/l	98
25) 2-Butanone	4.34	43	102835	116.653	ug/l	94
26) 2,2-Dichloropropane	3.60	77	45714	20.813	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	61710	20.224	ug/l	92
28) Bromochloromethane	3.72	49	44278	22.800	ug/l	93
29) Tetrahydrofuran	4.07	42	41745	116.347	ug/l	98
30) Chloroform	3.86	83	110408	19.239	ug/l	98
31) Cyclohexane	3.69	56	91392m	23.012	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	63681	18.513	ug/l	95
36) 1,1-Dichloropropene	4.28	75	86137	19.022	ug/l	98
37) Ethyl Acetate	4.11	43	37146	18.949	ug/l	97
38) Carbon Tetrachloride	3.99	117	61811	17.924	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	85909	21.147	ug/l	99
40) Benzene	4.63	78	192101	19.726	ug/l	95
41) Methacrylonitrile	4.75	41	21322	22.295	ug/l	96
42) 1,2-Dichloroethane	4.95	62	60263	16.290	ug/l	96
43) Isopropyl Acetate	6.96	43	42219	19.309	ug/l	95
44) Trichloroethene	5.50	130	61049	19.884	ug/l	97
45) 1,2-Dichloropropane	6.23	63	52988	20.000	ug/l #	88
46) Dibromomethane	6.09	93	32179	18.726	ug/l	98
47) Bromodichloromethane	6.39	83	81327	18.215	ug/l	99
48) Methyl methacrylate	6.72	41	26632	17.447	ug/l	94
49) 1,4-Dioxane	6.71	88	3785	341.739	ug/l #	72
51) 4-Methyl-2-Pentanone	8.26	43	159734	106.520	ug/l	99
52) Toluene	7.62	92	122470	18.999	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	68899	19.129	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	81906	18.118	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	37005	19.149	ug/l	89
56) Ethyl methacrylate	8.63	69	41375	19.786	ug/l	97
57) 1,3-Dichloropropane	8.86	76	63532	18.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	41305	102.848	ug/l	96
59) 2-Hexanone	9.50	43	116209	107.159	ug/l	96
60) Dibromochloromethane	8.72	129	47677	17.211	ug/l	89
61) 1,2-Dibromoethane	8.99	107	39176	18.982	ug/l	98
64) Tetrachloroethene	8.15	164	52348	20.218	ug/l	92
65) Chlorobenzene	9.80	112	137964	19.842	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	55493	19.529	ug/l	97
67) Ethyl Benzene	9.90	91	255967	20.207	ug/l	97
68) m/p-Xylenes	10.14	106	176966	39.696	ug/l	100
69) o-Xylene	10.72	106	100416	20.310	ug/l	86
70) Styrene	10.79	104	137836	19.942	ug/l	99
71) Bromoform	10.78	173	25263	19.217	ug/l	99
73) Isopropylbenzene	11.12	105	292099	19.937	ug/l	99
74) N-amyl acetate	11.37	43	72512	22.293	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	52215	21.474	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	35604	19.675	ug/l	94
77) Bromobenzene	11.50	156	57944	18.373	ug/l	90
78) n-propylbenzene	11.60	91	357306	18.681	ug/l	100
79) 2-Chlorotoluene	11.73	91	198504	19.751	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	236168	19.576	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	16245m	20.892	ug/l	
82) 4-Chlorotoluene	11.90	91	195563	18.810	ug/l	100
83) tert-Butylbenzene	12.13	119	243941	19.650	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	229104	19.044	ug/l	99
85) sec-Butylbenzene	12.31	105	326358	20.145	ug/l	98
86) p-Isopropyltoluene	12.47	119	272878	20.293	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	115272	19.068	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	106658	18.417	ug/l	96
89) n-Butylbenzene	12.85	91	284215	18.340	ug/l	98
90) Hexachloroethane	12.92	117	64057	19.281	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	109750	19.465	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8113	18.182	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	77263	19.322	ug/l	94
94) Hexachlorobutadiene	14.19	225	46660	18.321	ug/l	96
95) Naphthalene	14.46	128	136628	18.712	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	72550	19.626	ug/l	96

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

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