

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061064.D
 Acq On : 18 Dec 2018 15:55
 Operator : VA/AP
 Sample : VF1218SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:15:21 PM

Quant Time: Dec 19 01:39:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	167810	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	286860	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	266065	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	138556	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	103370	52.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.58%	
35) Dibromofluoromethane	4.11	113	113842	50.02	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	7.55	98	295845	44.13	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	88.26%	
62) 4-Bromofluorobenzene	11.41	95	147817	48.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	56115	22.365	ug/l	93
3) Chloromethane	1.11	50	41177	25.220	ug/l #	87
4) Vinyl Chloride	1.15	62	39768	26.112	ug/l	99
5) Bromomethane	1.33	94	28932	26.941	ug/l	99
6) Chloroethane	1.40	64	15953	24.233	ug/l	90
7) Trichlorofluoromethane	1.50	101	76334	23.361	ug/l	91
8) Diethyl Ether	1.63	74	10987	23.382	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	39907	24.157	ug/l	97
10) Methyl Iodide	1.92	142	65069m	25.914	ug/l	
11) Tert butyl alcohol	2.58	59	10009	123.513	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	29904	22.506	ug/l #	75
13) Acrolein	2.01	56	5232	68.144	ug/l	90
14) Allyl chloride	2.10	41	33661	20.325	ug/l	93
15) Acrylonitrile	2.95	53	24615	135.488	ug/l	93
16) Acetone	2.25	43	49203	134.971	ug/l	97
17) Carbon Disulfide	1.84	76	86266m	24.214	ug/l	
18) Methyl Acetate	2.35	43	21522	34.685	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	75571	25.252	ug/l	100
20) Methylene Chloride	2.27	84	33422m	24.991	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22688	17.711	ug/l	93
22) Diisopropyl ether	2.81	45	114902	25.488	ug/l	97
23) Vinyl Acetate	3.19	43	287123	139.336	ug/l	98
24) 1,1-Dichloroethane	2.88	63	63233	23.576	ug/l	99
25) 2-Butanone	4.35	43	86544	137.255	ug/l	98
26) 2,2-Dichloropropane	3.60	77	42408	24.389	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	54966	26.356	ug/l	96
28) Bromochloromethane	3.72	49	34510	26.810	ug/l	91
29) Tetrahydrofuran	4.08	42	35668	133.451	ug/l	97
30) Chloroform	3.85	83	106116	25.707	ug/l	96
31) Cyclohexane	3.70	56	70020m	25.155	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	65275	22.801	ug/l	93
36) 1,1-Dichloropropene	4.28	75	77608	24.392	ug/l	97
37) Ethyl Acetate	4.12	43	34376	26.587	ug/l #	72
38) Carbon Tetrachloride	3.99	117	58636	20.865	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	64099	19.223	ug/l	96
40) Benzene	4.63	78	170562	24.265	ug/l	97
41) Methacrylonitrile	4.75	41	17522	24.170	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	64588	25.169	ug/l	94
43) Isopropyl Acetate	6.96	43	40177	23.757	ug/l #	100
44) Trichloroethene	5.50	130	55353	24.084	ug/l	94
45) 1,2-Dichloropropane	6.24	63	44008	24.106	ug/l	94
46) Dibromomethane	6.08	93	28101	22.691	ug/l	95
47) Bromodichloromethane	6.39	83	81376	24.740	ug/l	99
48) Methyl methacrylate	6.72	41	25921	22.148	ug/l #	80
49) 1,4-Dioxane	6.71	88	3522	411.179	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	144168	120.912	ug/l	98
52) Toluene	7.62	92	107863	21.846	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	63295	23.658	ug/l	94
54) cis-1,3-Dichloropropene	7.30	75	80113	24.188	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	33727	23.443	ug/l	98
56) Ethyl methacrylate	8.62	69	35316	22.097	ug/l	96
57) 1,3-Dichloropropane	8.85	76	61170	24.302	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	39561	242.004	ug/l	98
59) 2-Hexanone	9.50	43	98307	117.522	ug/l	98
60) Dibromochloromethane	8.72	129	47301	22.066	ug/l	96
61) 1,2-Dibromoethane	8.99	107	36838	23.702	ug/l	96
64) Tetrachloroethene	8.15	164	48667	23.948	ug/l	96
65) Chlorobenzene	9.80	112	128415	24.810	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	52332	23.518	ug/l	92
67) Ethyl Benzene	9.90	91	242041	25.118	ug/l	98
68) m/p-Xylenes	10.14	106	164958	47.597	ug/l	99
69) o-Xylene	10.71	106	87186	22.813	ug/l	86
70) Styrene	10.79	104	127799	24.124	ug/l	97
71) Bromoform	10.78	173	24274	22.584	ug/l	96
73) Isopropylbenzene	11.12	105	272975	24.930	ug/l	98
74) N-amyl acetate	11.37	43	62567	24.746	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	47144	26.161	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	36424	27.808	ug/l	92
77) Bromobenzene	11.50	156	57467	23.939	ug/l	92
78) n-propylbenzene	11.60	91	322940	25.185	ug/l	98
79) 2-Chlorotoluene	11.72	91	186529	25.370	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	227357	25.578	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	15834m	24.672	ug/l	
82) 4-Chlorotoluene	11.90	91	192150	24.834	ug/l	96
83) tert-Butylbenzene	12.13	119	231713	25.591	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	227313	25.623	ug/l	97
85) sec-Butylbenzene	12.31	105	308512	24.890	ug/l	99
86) p-Isopropyltoluene	12.46	119	254201	24.461	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	111572	24.434	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	103802	23.327	ug/l	95
89) n-Butylbenzene	12.84	91	272964	25.977	ug/l	95
90) Hexachloroethane	12.92	117	61746	24.675	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	105456	24.388	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8857	25.422	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	75379	24.949	µg/l	97
94) Hexachlorobutadiene	14.19	225	48518	24.089	µg/l	97
95) Naphthalene	14.46	128	132721	20.573	µg/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	66720	23.783	µg/l	97

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

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