

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060827.D
 Acq On : 26 Nov 2018 17:33
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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apatel
 11/27/2018 3:16:46 PM

Quant Time: Nov 27 00:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	214935	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.64	114	340360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	314240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	180317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	23821	9.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	19.14%	
35) Dibromofluoromethane	4.15	113	26869	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
50) Toluene-d8	7.58	98	81237	10.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	21.12%	
62) 4-Bromofluorobenzene	11.44	95	38703	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	33287	8.972	ug/l	93
3) Chloromethane	1.11	50	22868	10.040	ug/l	91
4) Vinyl Chloride	1.16	62	20064	9.686	ug/l	96
5) Bromomethane	1.33	94	14963	11.155	ug/l	81
6) Chloroethane	1.39	64	8371	10.326	ug/l	97
7) Trichlorofluoromethane	1.49	101	43422	9.527	ug/l	98
8) Diethyl Ether	1.64	74	6229	10.461	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	22295	10.193	ug/l	99
10) Methyl Iodide	1.90	142	34177	9.808	ug/l	96
11) Tert butyl alcohol	2.60	59	4743	43.153	ug/l	94
12) 1,1-Dichloroethene	1.80	96	17174	9.862	ug/l	94
13) Acrolein	2.02	56	4715	45.369	ug/l	91
14) Allyl chloride	2.12	41	22679	7.482	ug/l	89
15) Acrylonitrile	2.96	53	12532	53.372	ug/l	95
16) Acetone	2.25	43	24557	48.877	ug/l	98
17) Carbon Disulfide	1.84	76	46981	9.192	ug/l	95
18) Methyl Acetate	2.36	43	8611	10.261	ug/l	92
19) Methyl tert-butyl Ether	2.45	73	38889	9.465	ug/l	93
20) Methylene Chloride	2.24	84	18996m	9.820	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	17899	10.093	ug/l	95
22) Diisopropyl ether	2.83	45	62373	10.638	ug/l	97
23) Vinyl Acetate	3.21	43	128194	46.974	ug/l	100
24) 1,1-Dichloroethane	2.90	63	35206	9.822	ug/l	96
25) 2-Butanone	4.38	43	40849	48.200	ug/l	97
26) 2,2-Dichloropropane	3.63	77	23003	8.438	ug/l	95
27) cis-1,2-Dichloroethene	3.50	96	26097	8.661	ug/l	95
28) Bromochloromethane	3.75	49	17837	9.859	ug/l	96
29) Tetrahydrofuran	4.11	42	18695	53.388	ug/l	95
30) Chloroform	3.89	83	55487	9.894	ug/l	91
31) Cyclohexane	3.72	56	36744	8.749	ug/l	95
32) 1,1,1-Trichloroethane	4.13	97	39806	9.042	ug/l	95
36) 1,1-Dichloropropene	4.32	75	40625	10.344	ug/l	98
37) Ethyl Acetate	4.15	43	15618	10.539	ug/l #	80
38) Carbon Tetrachloride	4.03	117	37308	9.768	ug/l	100

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39) Methylcyclohexane	5.49	83	41063	9.172	ug/l	98
40) Benzene	4.66	78	89128	10.207	ug/l	100
41) Methacrylonitrile	4.77	41	10783	12.151	ug/l #	88
42) 1,2-Dichloroethane	4.98	62	30401	9.873	ug/l	93
43) Isopropyl Acetate	6.99	43	21718	10.985	ug/l #	99
44) Trichloroethene	5.54	130	29473	10.571	ug/l	85
45) 1,2-Dichloropropane	6.27	63	22498	9.727	ug/l	99
46) Dibromomethane	6.12	93	14211	9.376	ug/l	99
47) Bromodichloromethane	6.42	83	38643	10.001	ug/l	94
48) Methyl methacrylate	6.74	41	14015	10.595	ug/l #	88
49) 1,4-Dioxane	6.73	88	1719	142.395	ug/l #	79
51) 4-Methyl-2-Pentanone	8.29	43	77731	54.932	ug/l	95
52) Toluene	7.66	92	63727	10.872	ug/l	92
53) t-1,3-Dichloropropene	8.31	75	33467	10.682	ug/l	96
54) cis-1,3-Dichloropropene	7.33	75	41417	10.112	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	17388	10.286	ug/l	96
56) Ethyl methacrylate	8.65	69	19911	10.259	ug/l	95
57) 1,3-Dichloropropane	8.88	76	30687	10.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	9123	51.722	ug/l	97
59) 2-Hexanone	9.52	43	54362	54.381	ug/l	93
60) Dibromochloromethane	8.75	129	25935	10.611	ug/l	96
61) 1,2-Dibromoethane	9.02	107	18679	10.470	ug/l	88
64) Tetrachloroethene	8.18	164	25571	10.595	ug/l	97
65) Chlorobenzene	9.83	112	64257	10.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	28886	10.699	ug/l	97
67) Ethyl Benzene	9.93	91	123281	10.440	ug/l	100
68) m/p-Xylenes	10.17	106	91935	21.862	ug/l	97
69) o-Xylene	10.74	106	51267	10.885	ug/l	91
70) Styrene	10.82	104	71055	11.049	ug/l	99
71) Bromoform	10.81	173	13834	11.277	ug/l	86
73) Isopropylbenzene	11.15	105	149117	10.320	ug/l	99
74) N-amyl acetate	11.40	43	33991	10.194	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	25605	10.754	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	17463	9.760	ug/l	96
77) Bromobenzene	11.52	156	32214	10.520	ug/l	80
78) n-propylbenzene	11.62	91	180872	10.594	ug/l	99
79) 2-Chlorotoluene	11.74	91	105440	10.746	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	121754	10.566	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.89	75	9372m	10.803	ug/l	
82) 4-Chlorotoluene	11.92	91	105535	10.467	ug/l	100
83) tert-Butylbenzene	12.16	119	127969	10.617	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	122890	10.292	ug/l	97
85) sec-Butylbenzene	12.33	105	170700	10.355	ug/l	98
86) p-Isopropyltoluene	12.48	119	143952	10.519	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	64509	10.736	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	61009	10.598	ug/l	93
89) n-Butylbenzene	12.87	91	148258	10.452	ug/l	96
90) Hexachloroethane	12.94	117	33205	9.904	ug/l	93
91) 1,2-Dichlorobenzene	12.97	146	58964	10.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	4347	9.721	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	41424	10.273	ug/l	98
94) Hexachlorobutadiene	14.21	225	27513	10.517	ug/l	98
95) Naphthalene	14.48	128	94535	12.817	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	36901	9.989	ug/l	94

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

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