

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060389.D
 Acq On : 1 Oct 2018 18:14
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:25 PM

Quant Time: Oct 02 00:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	248711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	395891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	362440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	207636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	74831	21.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.90%	
35) Dibromofluoromethane	4.27	113	74293	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	
50) Toluene-d8	7.69	98	182355	19.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.48%	
62) 4-Bromofluorobenzene	11.49	95	83018	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	144346	30.301	ug/l	94
3) Chloromethane	1.13	50	70982	20.512	ug/l	89
4) Vinyl Chloride	1.17	62	74613	21.056	ug/l	98
5) Bromomethane	1.37	94	59540	24.226	ug/l	83
6) Chloroethane	1.44	64	37960	22.357	ug/l	94
7) Trichlorofluoromethane	1.54	101	179282	26.056	ug/l	95
8) Diethyl Ether	1.69	74	22790	20.936	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80645	22.665	ug/l	96
10) Methyl Iodide	1.97	142	127515m	22.444	ug/l	
11) Tert butyl alcohol	2.67	59	19908	89.173	ug/l #	76
12) 1,1-Dichloroethene	1.85	96	66290	22.985	ug/l	94
13) Acrolein	2.08	56	19665	153.893	ug/l	95
14) Allyl chloride	2.18	41	88391	17.733	ug/l	91
15) Acrylonitrile	3.05	53	42441	90.724	ug/l	93
16) Acetone	2.33	43	96366	102.930	ug/l	95
17) Carbon Disulfide	1.89	76	196807	22.190	ug/l #	92
18) Methyl Acetate	2.44	43	29988	18.688	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	154353	21.319	ug/l	97
20) Methylene Chloride	2.27	84	65198m	19.311	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	60642	20.253	ug/l	87
22) Diisopropyl ether	2.91	45	183532	19.680	ug/l #	96
23) Vinyl Acetate	3.31	43	347774	94.481	ug/l	100
24) 1,1-Dichloroethane	2.99	63	129142	20.995	ug/l	99
25) 2-Butanone	4.48	43	102517	84.164	ug/l	100
26) 2,2-Dichloropropane	3.73	77	69636	20.070	ug/l	92
27) cis-1,2-Dichloroethene	3.61	96	72993	19.149	ug/l	99
28) Bromochloromethane	3.86	49	45603	19.047	ug/l	100
29) Tetrahydrofuran	4.23	42	37154	81.151	ug/l	99
30) Chloroform	4.01	83	150670	20.418	ug/l	94
31) Cyclohexane	3.84	56	84596m	16.662	ug/l	
32) 1,1,1-Trichloroethane	4.25	97	117128	19.809	ug/l	96
36) 1,1-Dichloropropene	4.43	75	107885	21.669	ug/l	95
37) Ethyl Acetate	4.26	43	36877	17.926	ug/l #	95
38) Carbon Tetrachloride	4.14	117	120960	21.583	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	107278	20.506	ug/l	90
40) Benzene	4.78	78	210758	19.247	ug/l	99
41) Methacrylonitrile	4.90	41	18842	17.074	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	99112	23.379	ug/l	97
43) Isopropyl Acetate	7.09	43	40442	16.313	ug/l #	89
44) Trichloroethene	5.65	130	68697	20.942	ug/l	92
45) 1,2-Dichloropropane	6.38	63	52597	18.437	ug/l	92
46) Dibromomethane	6.23	93	43372	20.812	ug/l	94
47) Bromodichloromethane	6.52	83	111709	22.198	ug/l	93
48) Methyl methacrylate	6.85	41	32396	18.372	ug/l	93
49) 1,4-Dioxane	6.85	88	5734	367.444	ug/l #	69
51) 4-Methyl-2-Pentanone	8.38	43	155167	83.375	ug/l	99
52) Toluene	7.76	92	137685	19.704	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	78746	19.629	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	96020	19.075	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	40716	19.204	ug/l #	86
56) Ethyl methacrylate	8.73	69	43673	17.037	ug/l	98
57) 1,3-Dichloropropane	8.98	76	68976	19.564	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	28556	122.901	ug/l	100
59) 2-Hexanone	9.61	43	115968	88.125	ug/l	99
60) Dibromochloromethane	8.84	129	65000	20.342	ug/l	97
61) 1,2-Dibromoethane	9.12	107	46495	19.475	ug/l	98
64) Tetrachloroethene	8.28	164	59841	18.495	ug/l	97
65) Chlorobenzene	9.92	112	152596	18.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	70129	20.503	ug/l	98
67) Ethyl Benzene	10.01	91	295032	19.556	ug/l	97
68) m/p-Xylenes	10.24	106	203751	39.127	ug/l	94
69) o-Xylene	10.81	106	111913	19.203	ug/l	88
70) Styrene	10.88	104	156236	19.060	ug/l	99
71) Bromoform	10.87	173	34413	18.448	ug/l	89
73) Isopropylbenzene	11.21	105	352075	19.207	ug/l	97
74) N-amyl acetate	11.44	43	70961	17.869	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	61708	18.964	ug/l	87
76) 1,2,3-Trichloropropane	11.87	75	43159	18.333	ug/l	94
77) Bromobenzene	11.58	156	73324	18.515	ug/l	87
78) n-propylbenzene	11.67	91	413954	19.017	ug/l	97
79) 2-Chlorotoluene	11.80	91	251087	20.002	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	300629	20.277	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	17430m	14.190	ug/l	
82) 4-Chlorotoluene	11.98	91	237102	18.881	ug/l	99
83) tert-Butylbenzene	12.20	119	298602	19.811	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	293848	19.412	ug/l	94
85) sec-Butylbenzene	12.37	105	391546	18.865	ug/l	99
86) p-Isopropyltoluene	12.53	119	330950	20.035	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	137719	18.521	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	140243	19.162	ug/l	96
89) n-Butylbenzene	12.90	91	348450	19.807	ug/l	95
90) Hexachloroethane	12.98	117	85415	20.134	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	133864	18.807	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11427	18.547	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	101680	19.568	ug/l	98
94) Hexachlorobutadiene	14.24	225	73379	20.910	ug/l	98
95) Naphthalene	14.51	128	173775	18.936	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	97424	20.333	ug/l	95

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

