

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060284.D
 Acq On : 19 Sep 2018 17:12
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF091918

Manual Integrations
 APPROVED

apatel
 9/20/2018 3:40:46 PM

Quant Time: Sep 20 09:43:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 19 16:11:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	280188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	465399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	428862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	219635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	172163	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	4.28	113	192547	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	7.70	98	538159	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.51	95	227411	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	203056	48.12	ug/l	96
3) Chloromethane	1.13	50	161640	42.82	ug/l	98
4) Vinyl Chloride	1.18	62	168455	43.29	ug/l	97
5) Bromomethane	1.36	94	118150	54.45	ug/l	98
6) Chloroethane	1.42	64	85577	46.18	ug/l	98
7) Trichlorofluoromethane	1.53	101	336458	46.41	ug/l	93
8) Diethyl Ether	1.70	74	57434	47.62	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.89	101	176735	45.84	ug/l	96
10) Methyl Iodide	1.96	142	282387	45.42	ug/l	95
11) Tert butyl alcohol	2.67	59	50282	238.00	ug/l	93
12) 1,1-Dichloroethene	1.86	96	145430	45.61	ug/l	98
13) Acrolein	2.08	56	16406	236.69	ug/l	94
14) Allyl chloride	2.19	41	255228	45.87	ug/l	95
15) Acrylonitrile	3.07	53	117665	220.82	ug/l	94
16) Acetone	2.33	43	266737	251.04	ug/l	98
17) Carbon Disulfide	1.89	76	407086	50.90	ug/l	99
18) Methyl Acetate	2.45	43	90585	51.18	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	376601	47.38	ug/l	99
20) Methylene Chloride	2.28	84	149572m	52.05	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	152999	46.46	ug/l	98
22) Diisopropyl ether	2.92	45	498595	47.49	ug/l	98
23) Vinyl Acetate	3.32	43	1016840	246.62	ug/l	98
24) 1,1-Dichloroethane	3.00	63	321499	47.22	ug/l	98
25) 2-Butanone	4.50	43	343721	240.34	ug/l	100
26) 2,2-Dichloropropane	3.75	77	172939	44.52	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	205800	47.57	ug/l	90
28) Bromochloromethane	3.89	49	123562	46.61	ug/l	95
29) Tetrahydrofuran	4.24	42	115284	220.13	ug/l	97
30) Chloroform	4.02	83	375211	45.67	ug/l	99
31) Cyclohexane	3.87	56	244134	42.45	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	297194	45.85	ug/l	96
36) 1,1-Dichloropropene	4.45	75	253176	43.61	ug/l	96
37) Ethyl Acetate	4.28	43	106819	43.49	ug/l #	95
38) Carbon Tetrachloride	4.16	117	296520m	44.76	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	275769	43.83	ug/l	96
40) Benzene	4.80	78	604600	45.93	ug/l	99
41) Methacrylonitrile	4.91	41	61399	46.07	ug/l	92
42) 1,2-Dichloroethane	5.11	62	239720	49.48	ug/l	99
43) Isopropyl Acetate	7.10	43	151295	51.16	ug/l	92
44) Trichloroethene	5.67	130	182185	46.51	ug/l	97
45) 1,2-Dichloropropane	6.39	63	166190	48.78	ug/l	99
46) Dibromomethane	6.24	93	114325	46.95	ug/l	96
47) Bromodichloromethane	6.54	83	284303	48.58	ug/l	97
48) Methyl methacrylate	6.86	41	94252	45.41	ug/l	95
49) 1,4-Dioxane	6.85	88	17757	957.50	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	684311	300.25	ug/l	99
52) Toluene	7.77	92	411282	49.39	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	241551	51.17	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	272556	45.83	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	124664	49.32	ug/l	94
56) Ethyl methacrylate	8.76	69	162976	53.39	ug/l	95
57) 1,3-Dichloropropane	8.99	76	213273	50.96	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	63565	235.56	ug/l	100
59) 2-Hexanone	9.62	43	528324	325.57	ug/l	97
60) Dibromochloromethane	8.85	129	186241	49.44	ug/l	93
61) 1,2-Dibromoethane	9.13	107	141617	50.32	ug/l	96
64) Tetrachloroethene	8.30	164	179613	46.20	ug/l	95
65) Chlorobenzene	9.93	112	442406	45.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	189848	47.07	ug/l	94
67) Ethyl Benzene	10.04	91	838993	46.68	ug/l	99
68) m/p-Xylenes	10.26	106	576573	92.86	ug/l	91
69) o-Xylene	10.83	106	325535	46.74	ug/l	97
70) Styrene	10.89	104	460334	46.87	ug/l	95
71) Bromoform	10.89	173	105249	47.51	ug/l	96
73) Isopropylbenzene	11.22	105	918888	46.60	ug/l	97
74) N-amyl acetate	11.46	43	249812	59.41	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	166282	47.59	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	119666	47.83	ug/l	90
77) Bromobenzene	11.59	156	201283	47.37	ug/l	93
78) n-propylbenzene	11.68	91	1101509	58.03	ug/l	98
79) 2-Chlorotoluene	11.81	91	598535	45.00	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	750189	47.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	57417m	34.68	ug/l	
82) 4-Chlorotoluene	11.99	91	640487	47.91	ug/l	98
83) tert-Butylbenzene	12.22	119	760126	47.24	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	747155	46.36	ug/l	96
85) sec-Butylbenzene	12.38	105	1037651	56.47	ug/l	100
86) p-Isopropyltoluene	12.53	119	835831	56.94	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	375760	47.32	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	377776	48.13	ug/l	97
89) n-Butylbenzene	12.92	91	876095	52.84	ug/l	98
90) Hexachloroethane	12.99	117	218831	48.61	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	371573	49.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	29773	45.38	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	259688	47.17	ug/l	98
94) Hexachlorobutadiene	14.26	225	182730	49.10	ug/l	98
95) Naphthalene	14.52	128	518534	53.72	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	250096	49.16	ug/l	99

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

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