

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061072.D
 Acq On : 18 Dec 2018 20:20
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:28:56 AM

Quant Time: Dec 19 06:29:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	197125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	351731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	334441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	205729	88.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.54%	
35) Dibromofluoromethane	4.11	113	203253	74.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.42%	
50) Toluene-d8	7.56	98	589927	72.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.92%	
62) 4-Bromofluorobenzene	11.41	95	266156	72.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	320709	100.223	ug/l	91
3) Chloromethane	1.11	50	195382	95.270	ug/l	98
4) Vinyl Chloride	1.14	62	181768	95.764	ug/l #	79
5) Bromomethane	1.33	94	125395	95.017	ug/l	99
6) Chloroethane	1.39	64	81740	99.906	ug/l	88
7) Trichlorofluoromethane	1.49	101	331451	84.226	ug/l	98
8) Diethyl Ether	1.63	74	44865	79.650	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	169651	85.381	ug/l	96
10) Methyl Iodide	1.91	142	275036m	90.350	ug/l	
11) Tert butyl alcohol	2.57	59	40953	426.166	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	131463	82.329	ug/l	94
13) Acrolein	2.00	56	27346	327.752	ug/l	90
14) Allyl chloride	2.09	41	127750	68.602	ug/l	95
15) Acrylonitrile	2.94	53	90186	410.049	ug/l	96
16) Acetone	2.24	43	192693	433.472	ug/l	96
17) Carbon Disulfide	1.84	76	403886m	92.235	ug/l	
18) Methyl Acetate	2.35	43	74534	90.544	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	299873	84.101	ug/l	99
20) Methylene Chloride	2.25	84	126402m	83.015	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	133650m	86.795	ug/l	
22) Diisopropyl ether	2.80	45	457634	84.847	ug/l	96
23) Vinyl Acetate	3.19	43	1024274	413.767	ug/l	99
24) 1,1-Dichloroethane	2.87	63	268192	83.696	ug/l	99
25) 2-Butanone	4.33	43	288214	383.281	ug/l	96
26) 2,2-Dichloropropane	3.60	77	142202	70.162	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	208518	83.547	ug/l	97
28) Bromochloromethane	3.72	49	139150	88.461	ug/l	99
29) Tetrahydrofuran	4.07	42	116949	368.777	ug/l	97
30) Chloroform	3.86	83	380094	76.826	ug/l	99
31) Cyclohexane	3.69	56	276161m	82.170	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	224250	68.475	ug/l	97
36) 1,1-Dichloropropene	4.28	75	289663	73.544	ug/l	96
37) Ethyl Acetate	4.11	43	114519	71.978	ug/l	98
38) Carbon Tetrachloride	3.98	117	223528	67.027	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	273248m	66.738	ug/l	
40) Benzene	4.64	78	598933	69.128	ug/l	96
41) Methacrylonitrile	4.74	41	59357	63.020	ug/l	97
42) 1,2-Dichloroethane	4.94	62	253637	80.296	ug/l	98
43) Isopropyl Acetate	6.95	43	153541	71.947	ug/l #	97
44) Trichloroethene	5.50	130	192365	68.074	ug/l	99
45) 1,2-Dichloropropane	6.23	63	175755	78.418	ug/l	98
46) Dibromomethane	6.09	93	116727	76.892	ug/l	96
47) Bromodichloromethane	6.38	83	304083	75.233	ug/l	97
48) Methyl methacrylate	6.72	41	105906	74.249	ug/l	97
49) 1,4-Dioxane	6.71	88	16073	1558.481	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	468022	322.924	ug/l	99
52) Toluene	7.62	92	416783	68.705	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	232702	71.310	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	299994	74.495	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	133040	76.212	ug/l	96
56) Ethyl methacrylate	8.62	69	146077	75.885	ug/l	95
57) 1,3-Dichloropropane	8.86	76	232120	75.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	140293	615.560	ug/l	97
59) 2-Hexanone	9.49	43	354423	346.051	ug/l	96
60) Dibromochloromethane	8.72	129	187169	71.788	ug/l	96
61) 1,2-Dibromoethane	8.99	107	137322	72.367	ug/l	99
64) Tetrachloroethene	8.16	164	178630	69.680	ug/l	96
65) Chlorobenzene	9.79	112	479981	74.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	193172	69.798	ug/l	94
67) Ethyl Benzene	9.89	91	861820	71.458	ug/l	100
68) m/p-Xylenes	10.13	106	599416	137.708	ug/l	96
69) o-Xylene	10.71	106	332393	69.379	ug/l	93
70) Styrene	10.79	104	460550	69.841	ug/l	98
71) Bromoform	10.77	173	93308	70.143	ug/l #	98
73) Isopropylbenzene	11.13	105	942221	71.511	ug/l	99
74) N-amyl acetate	11.37	43	217063	72.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	161369	74.680	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	122859	77.640	ug/l	99
77) Bromobenzene	11.49	156	210507	73.860	ug/l	97
78) n-propylbenzene	11.59	91	1057080	68.470	ug/l	99
79) 2-Chlorotoluene	11.72	91	636973	71.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	768215	71.874	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	57219m	75.158	ug/l	
82) 4-Chlorotoluene	11.90	91	679609	73.132	ug/l	98
83) tert-Butylbenzene	12.13	119	768923	70.329	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	789471	74.720	ug/l	99
85) sec-Butylbenzene	12.31	105	1017194	68.636	ug/l	94
86) p-Isopropyltoluene	12.46	119	844603m	67.757	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	365108	67.357	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	380013	71.897	ug/l	96
89) n-Butylbenzene	12.84	91	865556	68.994	ug/l	99
90) Hexachloroethane	12.91	117	226760	75.840	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	367901	71.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	32882	78.702	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	260642	72.287	ug/l	92
94) Hexachlorobutadiene	14.18	225	172017	71.658	ug/l	96
95) Naphthalene	14.45	128	527822	66.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	249793	73.627	ug/l	98

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

