

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061070.D
 Acq On : 18 Dec 2018 19:22
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:28:45 AM

Quant Time: Dec 19 06:28:34 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	4.87	168	207223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	349252	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	318968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	169591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	51034	20.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.90%	
35) Dibromofluoromethane	4.11	113	57052	20.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.96%	
50) Toluene-d8	7.56	98	159822	19.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.82%	
62) 4-Bromofluorobenzene	11.41	95	75981	20.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	93916	27.919	ug/l	96
3) Chloromethane	1.11	50	51098	23.702	ug/l	93
4) Vinyl Chloride	1.14	62	47541	23.826	ug/l #	85
5) Bromomethane	1.36	94	32306	23.287	ug/l	85
6) Chloroethane	1.40	64	20775	24.155	ug/l	99
7) Trichlorofluoromethane	1.50	101	92746m	22.419	ug/l	
8) Diethyl Ether	1.63	74	11981	20.234	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49960	23.918	ug/l	91
10) Methyl Iodide	1.91	142	72069m	22.521	ug/l	
11) Tert butyl alcohol	2.59	59	11303	111.890	ug/l	99
12) 1,1-Dichloroethene	1.80	96	35168	20.951	ug/l	97
13) Acrolein	2.00	56	7787m	88.782	ug/l	
14) Allyl chloride	2.09	41	37686	19.251	ug/l	91
15) Acrylonitrile	2.94	53	26228	113.440	ug/l	94
16) Acetone	2.24	43	51194	109.552	ug/l #	92
17) Carbon Disulfide	1.84	76	104709m	22.747	ug/l	
18) Methyl Acetate	2.35	43	23768m	27.466	ug/l	
19) Methyl tert-butyl Ether	2.43	73	83327	22.231	ug/l	100
20) Methylene Chloride	2.27	84	36319m	22.690	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	38016m	23.485	ug/l	
22) Diisopropyl ether	2.80	45	128390	22.644	ug/l	97
23) Vinyl Acetate	3.19	43	304931	117.178	ug/l	99
24) 1,1-Dichloroethane	2.87	63	76419	22.686	ug/l	99
25) 2-Butanone	4.34	43	83204	105.257	ug/l	97
26) 2,2-Dichloropropane	3.60	77	42947	20.157	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	60196	22.944	ug/l	91
28) Bromochloromethane	3.72	49	36888	22.308	ug/l	91
29) Tetrahydrofuran	4.07	42	33548	100.632	ug/l	98
30) Chloroform	3.86	83	110710	21.287	ug/l	98
31) Cyclohexane	3.69	56	77359m	21.896	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	67039	19.473	ug/l	93
36) 1,1-Dichloropropene	4.28	75	82346	21.056	ug/l	93
37) Ethyl Acetate	4.11	43	34678	21.951	ug/l	91
38) Carbon Tetrachloride	3.99	117	64106	19.359	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.45	83	81046m	19.935	ug/l	
40) Benzene	4.63	78	185242	21.532	ug/l	95
41) Methacrylonitrile	4.75	41	18021	19.269	ug/l #	85
42) 1,2-Dichloroethane	4.94	62	69359	22.113	ug/l	99
43) Isopropyl Acetate	6.96	43	39915	18.836	ug/l	97
44) Trichloroethene	5.50	130	61268	21.835	ug/l	98
45) 1,2-Dichloropropane	6.23	63	49848	22.399	ug/l	93
46) Dibromomethane	6.09	93	31368	20.810	ug/l	98
47) Bromodichloromethane	6.38	83	85368	21.271	ug/l	98
48) Methyl methacrylate	6.72	41	28538	20.150	ug/l	95
49) 1,4-Dioxane	6.71	88	4368	426.539	ug/l	91
51) 4-Methyl-2-Pentanone	8.26	43	151182	105.053	ug/l	98
52) Toluene	7.63	92	130338	21.638	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	70280	21.690	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	90676	22.677	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	37918	21.876	ug/l	95
56) Ethyl methacrylate	8.62	69	38092	19.929	ug/l #	92
57) 1,3-Dichloropropane	8.86	76	65490	21.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	42710	188.728	ug/l	99
59) 2-Hexanone	9.49	43	103923	102.188	ug/l	99
60) Dibromochloromethane	8.71	129	53390	20.623	ug/l	97
61) 1,2-Dibromoethane	8.99	107	39120	20.762	ug/l	98
64) Tetrachloroethene	8.15	164	53963	22.071	ug/l	96
65) Chlorobenzene	9.80	112	137670	22.342	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	58129	22.022	ug/l	96
67) Ethyl Benzene	9.90	91	251784	21.889	ug/l	97
68) m/p-Xylenes	10.13	106	178160	42.915	ug/l	91
69) o-Xylene	10.71	106	96243	21.063	ug/l	98
70) Styrene	10.79	104	138651	22.046	ug/l	99
71) Bromoform	10.77	173	26595	20.962	ug/l	99
73) Isopropylbenzene	11.13	105	303709	22.364	ug/l	98
74) N-amyl acetate	11.37	43	66310	21.366	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	51430	23.093	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	37095	22.744	ug/l	88
77) Bromobenzene	11.49	156	66285	22.565	ug/l	91
78) n-propylbenzene	11.59	91	376072	23.634	ug/l	99
79) 2-Chlorotoluene	11.72	91	206766	22.634	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	248832	22.588	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	15967m	20.349	ug/l	
82) 4-Chlorotoluene	11.90	91	205783	21.485	ug/l	97
83) tert-Butylbenzene	12.13	119	256469	22.760	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	238317	21.884	ug/l	98
85) sec-Butylbenzene	12.30	105	331525	21.704	ug/l	97
86) p-Isopropyltoluene	12.46	119	283712	22.083	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	124434	22.273	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	120244	22.073	ug/l	98
89) n-Butylbenzene	12.84	91	289778	22.411	ug/l	93
90) Hexachloroethane	12.91	117	66209	21.485	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	119318	22.453	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9043	21.000	ug/l	91

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93) 1,2,4-Trichlorobenzene	14.20	180	83683	22.518	ug/l	99
94) Hexachlorobutadiene	14.19	225	51882	20.970	ug/l	94
95) Naphthalene	14.45	128	146144	17.915	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	74403	21.278	ug/l	98

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

