

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060828.D
 Acq On : 26 Nov 2018 18:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:16:50 PM

Quant Time: Nov 27 00:53:06 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	197453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	318777	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	313901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	163430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	48286	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
35) Dibromofluoromethane	4.14	113	51479	20.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.80%	
50) Toluene-d8	7.59	98	152257	21.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.26%	
62) 4-Bromofluorobenzene	11.43	95	69051	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	66857	19.615	ug/l	98
3) Chloromethane	1.10	50	42238	20.185	ug/l	98
4) Vinyl Chloride	1.15	62	37901	19.917	ug/l	96
5) Bromomethane	1.35	94	26047	21.137	ug/l #	80
6) Chloroethane	1.41	64	16127	21.655	ug/l #	86
7) Trichlorofluoromethane	1.50	101	81443m	19.450	ug/l	
8) Diethyl Ether	1.65	74	11818	21.604	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	40468	20.140	ug/l	97
10) Methyl Iodide	1.93	142	64006m	19.995	ug/l	
11) Tert butyl alcohol	2.59	59	10173	100.750	ug/l	97
12) 1,1-Dichloroethene	1.81	96	33577	20.989	ug/l	91
13) Acrolein	2.02	56	8544m	89.492	ug/l	
14) Allyl chloride	2.11	41	38049	13.663	ug/l	95
15) Acrylonitrile	2.97	53	22899	106.158	ug/l	93
16) Acetone	2.26	43	45761	99.144	ug/l	94
17) Carbon Disulfide	1.85	76	91060m	19.393	ug/l	
18) Methyl Acetate	2.37	43	15626	20.269	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	74756	19.806	ug/l	98
20) Methylene Chloride	2.28	84	32474m	18.274	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	30922m	18.979	ug/l	
22) Diisopropyl ether	2.82	45	112926	20.966	ug/l	99
23) Vinyl Acetate	3.22	43	259551	103.528	ug/l	97
24) 1,1-Dichloroethane	2.90	63	62904	19.104	ug/l	100
25) 2-Butanone	4.37	43	76620	98.413	ug/l	94
26) 2,2-Dichloropropane	3.63	77	41987	16.765	ug/l	88
27) cis-1,2-Dichloroethene	3.50	96	51764	18.699	ug/l	91
28) Bromochloromethane	3.75	49	32131	19.333	ug/l	100
29) Tetrahydrofuran	4.10	42	33741	104.886	ug/l	97
30) Chloroform	3.90	83	103406	20.072	ug/l	97
31) Cyclohexane	3.72	56	70358m	18.235	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	70307m	17.384	ug/l	
36) 1,1-Dichloropropene	4.32	75	72312	19.659	ug/l	98
37) Ethyl Acetate	4.14	43	29782	21.457	ug/l #	97
38) Carbon Tetrachloride	4.02	117	61308	17.138	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	76075	18.143	ug/l	97
40) Benzene	4.67	78	163031	19.934	ug/l	100
41) Methacrylonitrile	4.78	41	16162	19.445	ug/l #	80
42) 1,2-Dichloroethane	4.98	62	58679	20.347	ug/l	97
43) Isopropyl Acetate	6.99	43	35043	18.924	ug/l #	97
44) Trichloroethene	5.54	130	54102	20.719	ug/l	99
45) 1,2-Dichloropropane	6.27	63	42740	19.730	ug/l	90
46) Dibromomethane	6.13	93	28032	19.748	ug/l	94
47) Bromodichloromethane	6.42	83	74889	20.693	ug/l	96
48) Methyl methacrylate	6.75	41	25677	20.725	ug/l	91
49) 1,4-Dioxane	6.74	88	4112	363.683	ug/l #	90
51) 4-Methyl-2-Pentanone	8.29	43	140236	105.814	ug/l	97
52) Toluene	7.65	92	117882	21.472	ug/l	97
53) t-1,3-Dichloropropene	8.32	75	58823	20.047	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	78843	20.553	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	31541	19.922	ug/l	94
56) Ethyl methacrylate	8.65	69	34972	19.238	ug/l	98
57) 1,3-Dichloropropane	8.89	76	58747	21.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.33	63	19878	120.327	ug/l	100
59) 2-Hexanone	9.53	43	96646	103.226	ug/l	96
60) Dibromochloromethane	8.75	129	48447	21.163	ug/l	98
61) 1,2-Dibromoethane	9.02	107	37518	22.454	ug/l	100
64) Tetrachloroethene	8.19	164	49287	20.443	ug/l	96
65) Chlorobenzene	9.83	112	123927	19.676	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.96	131	55069	20.419	ug/l	99
67) Ethyl Benzene	9.93	91	223960	18.986	ug/l	100
68) m/p-Xylenes	10.16	106	170897	40.683	ug/l	99
69) o-Xylene	10.74	106	92778	19.719	ug/l	90
70) Styrene	10.81	104	131990	20.547	ug/l	97
71) Bromoform	10.80	173	25351	20.688	ug/l	99
73) Isopropylbenzene	11.15	105	277459	21.186	ug/l	98
74) N-amyl acetate	11.39	43	65177	21.567	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.72	83	45087	20.892	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	31784	19.600	ug/l	98
77) Bromobenzene	11.52	156	59722	21.518	ug/l	92
78) n-propylbenzene	11.62	91	314071	20.296	ug/l	96
79) 2-Chlorotoluene	11.74	91	178013	20.016	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	225377	21.579	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.90	75	14044m	17.860	ug/l	
82) 4-Chlorotoluene	11.93	91	187809	20.552	ug/l	96
83) tert-Butylbenzene	12.15	119	224733	20.572	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	211967	19.586	ug/l	98
85) sec-Butylbenzene	12.33	105	315713	21.130	ug/l	99
86) p-Isopropyltoluene	12.48	119	256413	20.673	ug/l	97
87) 1,3-Dichlorobenzene	12.50	146	109359	20.080	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	107392	20.583	ug/l	96
89) n-Butylbenzene	12.86	91	259876	20.213	ug/l	96
90) Hexachloroethane	12.94	117	61363	20.194	ug/l	90
91) 1,2-Dichlorobenzene	12.96	146	106331	20.595	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8177	20.175	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	74683	20.435	ug/l	98
94) Hexachlorobutadiene	14.21	225	47351	19.971	ug/l	95
95) Naphthalene	14.48	128	152522	22.816	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	67429	20.139	ug/l	99

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

