

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060492.D
 Acq On : 9 Oct 2018 15:43
 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
 10/10/2018 12:33:47 PM

Quant Time: Oct 10 02:04:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	243953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	405099	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	352786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	195139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	78706	20.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.42%	
35) Dibromofluoromethane	4.26	113	77753	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
50) Toluene-d8	7.68	98	180192	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	
62) 4-Bromofluorobenzene	11.49	95	79454	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	117071	21.013	ug/l	98
3) Chloromethane	1.13	50	67821	20.863	ug/l	92
4) Vinyl Chloride	1.17	62	74888	22.012	ug/l	96
5) Bromomethane	1.36	94	53043	20.163	ug/l	91
6) Chloroethane	1.43	64	39235	23.175	ug/l	92
7) Trichlorofluoromethane	1.53	101	155622m	19.828	ug/l	
8) Diethyl Ether	1.68	74	20677	18.814	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.88	101	78645	20.729	ug/l	96
10) Methyl Iodide	1.96	142	124198m	21.286	ug/l	
11) Tert butyl alcohol	2.67	59	21365	94.680	ug/l #	75
12) 1,1-Dichloroethene	1.85	96	60900	20.406	ug/l	89
13) Acrolein	2.07	56	15267	90.726	ug/l	99
14) Allyl chloride	2.17	41	92037	19.744	ug/l	95
15) Acrylonitrile	3.05	53	43634	110.113	ug/l	100
16) Acetone	2.33	43	88814	98.100	ug/l	97
17) Carbon Disulfide	1.89	76	187811	21.271	ug/l	100
18) Methyl Acetate	2.43	43	30882	19.323	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	143966	20.060	ug/l	99
20) Methylene Chloride	2.26	84	59344m	17.859	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	58448	19.711	ug/l	93
22) Diisopropyl ether	2.91	45	199352	22.656	ug/l	98
23) Vinyl Acetate	3.30	43	366483	107.794	ug/l #	96
24) 1,1-Dichloroethane	2.98	63	131667	22.229	ug/l	98
25) 2-Butanone	4.47	43	97845	99.972	ug/l #	88
26) 2,2-Dichloropropane	3.73	77	72841	22.172	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	76802	23.110	ug/l	91
28) Bromochloromethane	3.85	49	43283	20.627	ug/l #	90
29) Tetrahydrofuran	4.22	42	38375	97.007	ug/l	94
30) Chloroform	4.01	83	154012	21.572	ug/l	95
31) Cyclohexane	3.83	56	83327	20.272	ug/l	95
32) 1,1,1-Trichloroethane	4.24	97	120029	20.451	ug/l	96
36) 1,1-Dichloropropene	4.43	75	98331	19.856	ug/l	99
37) Ethyl Acetate	4.25	43	34745	18.363	ug/l	99
38) Carbon Tetrachloride	4.13	117	102719	17.557	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	92874	18.885	ug/l	93
40) Benzene	4.78	78	204356	20.525	ug/l	99
41) Methacrylonitrile	4.89	41	21511	21.192	ug/l	92
42) 1,2-Dichloroethane	5.09	62	92743	19.664	ug/l	100
43) Isopropyl Acetate	7.08	43	38977	16.976	ug/l #	99
44) Trichloroethene	5.64	130	63496	19.836	ug/l	94
45) 1,2-Dichloropropane	6.38	63	50883	19.466	ug/l	95
46) Dibromomethane	6.22	93	40317	19.145	ug/l	89
47) Bromodichloromethane	6.51	83	103095	19.650	ug/l	99
48) Methyl methacrylate	6.84	41	29095	17.726	ug/l	94
49) 1,4-Dioxane	6.83	88	4467	314.817	ug/l #	57
51) 4-Methyl-2-Pentanone	8.38	43	152970	93.865	ug/l	97
52) Toluene	7.76	92	127619	19.072	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	79832	19.434	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	89053	18.728	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	38094	17.972	ug/l	95
56) Ethyl methacrylate	8.73	69	42415	17.676	ug/l	92
57) 1,3-Dichloropropane	8.97	76	67013	18.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	22758	92.224	ug/l	100
59) 2-Hexanone	9.61	43	109996	92.224	ug/l	99
60) Dibromochloromethane	8.83	129	61611	19.366	ug/l	97
61) 1,2-Dibromoethane	9.11	107	43453	18.738	ug/l	100
64) Tetrachloroethene	8.28	164	58331	20.593	ug/l	96
65) Chlorobenzene	9.92	112	144326	19.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	66282	20.947	ug/l	99
67) Ethyl Benzene	10.01	91	279472	20.286	ug/l	95
68) m/p-Xylenes	10.24	106	180871	38.379	ug/l	85
69) o-Xylene	10.80	106	108862	21.173	ug/l	100
70) Styrene	10.88	104	147417	20.197	ug/l	96
71) Bromoform	10.86	173	32303	19.235	ug/l #	95
73) Isopropylbenzene	11.21	105	314843	20.335	ug/l	99
74) N-amyl acetate	11.44	43	64557	18.370	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	51943	18.723	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	41136	19.951	ug/l	94
77) Bromobenzene	11.57	156	69606	20.147	ug/l	95
78) n-propylbenzene	11.67	91	375458	20.193	ug/l	95
79) 2-Chlorotoluene	11.80	91	220985	20.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	261620	20.021	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	17682m	19.614	ug/l	
82) 4-Chlorotoluene	11.98	91	223053	19.859	ug/l	99
83) tert-Butylbenzene	12.20	119	273608	21.226	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	272084	20.903	ug/l	100
85) sec-Butylbenzene	12.37	105	372340	20.880	ug/l	98
86) p-Isopropyltoluene	12.53	119	295748	20.296	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	128693	19.806	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	127022	19.873	ug/l	97
89) n-Butylbenzene	12.90	91	313270	20.393	ug/l	97
90) Hexachloroethane	12.98	117	71771	19.292	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	128680	20.651	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11011	19.915	ug/l	90

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93) 1,2,4-Trichlorobenzene	14.25	180	104311	22.381	ug/l	100
94) Hexachlorobutadiene	14.24	225	66714	20.355	ug/l	99
95) Naphthalene	14.51	128	164929	19.818	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	96532	21.987	ug/l	91

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

