

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060506.D
 Acq On : 25 Oct 2018 14:36
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:38 AM

Quant Time: Oct 26 00:43:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	166369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	229778	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	219619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	146791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	33323	13.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	26.42%		
35) Dibromofluoromethane	4.29	113	29240	13.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	27.64%		
50) Toluene-d8	7.71	98	61763	12.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	24.30%		
62) 4-Bromofluorobenzene	11.51	95	32590	14.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	29.22%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	53260	16.292	ug/l	82
3) Chloromethane	1.12	50	23521	11.630	ug/l	91
4) Vinyl Chloride	1.18	62	26797	12.215	ug/l	97
5) Bromomethane	1.35	94	28509	16.524	ug/l	90
6) Chloroethane	1.42	64	15344	13.231	ug/l #	86
7) Trichlorofluoromethane	1.55	101	90331m	18.370	ug/l	
8) Diethyl Ether	1.69	74	7056	10.029	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35626	14.484	ug/l	92
10) Methyl Iodide	1.96	142	49610m	12.721	ug/l	
11) Tert butyl alcohol	2.67	59	11089	83.878	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	24188	11.772	ug/l	89
13) Acrolein	2.08	56	6822m	83.277	ug/l	
14) Allyl chloride	2.18	41	40258	13.292	ug/l	96
15) Acrylonitrile	3.07	53	14640	52.600	ug/l	91
16) Acetone	2.33	43	50128	90.669	ug/l	93
17) Carbon Disulfide	1.86	76	71141	12.451	ug/l	95
18) Methyl Acetate	2.44	43	10141m	9.678	ug/l	
19) Methyl tert-butyl Ether	2.53	73	62995	13.620	ug/l	99
20) Methylene Chloride	2.27	84	26703	13.913	ug/l #	86
21) trans-1,2-Dichloroethene	2.40	96	25245	13.164	ug/l	87
22) Diisopropyl ether	2.92	45	69737	11.202	ug/l	89
23) Vinyl Acetate	3.32	43	114295	52.444	ug/l	97
24) 1,1-Dichloroethane	3.00	63	56904	13.620	ug/l	96
25) 2-Butanone	4.50	43	33621	55.865	ug/l	99
26) 2,2-Dichloropropane	3.76	77	38171	17.523	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	22014	9.834	ug/l	71
28) Bromochloromethane	3.89	49	17341	11.950	ug/l #	83
29) Tetrahydrofuran	4.25	42	12629	49.780	ug/l	92
30) Chloroform	4.03	83	62100	12.844	ug/l	99
31) Cyclohexane	3.84	56	27584	10.320	ug/l #	77
32) 1,1,1-Trichloroethane	4.27	97	60325	15.838	ug/l	94
36) 1,1-Dichloropropene	4.45	75	36971	13.833	ug/l	97
37) Ethyl Acetate	4.29	43	13484	14.283	ug/l #	53
38) Carbon Tetrachloride	4.16	117	56196	20.931	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	30684	12.193	ug/l	88
40) Benzene	4.80	78	62734	11.432	ug/l	98
41) Methacrylonitrile	4.92	41	5745	10.710	ug/l	92
42) 1,2-Dichloroethane	5.12	62	39185	15.740	ug/l	99
43) Isopropyl Acetate	7.11	43	13474	11.451	ug/l #	81
44) Trichloroethene	5.67	130	21328	12.476	ug/l	91
45) 1,2-Dichloropropane	6.40	63	16030	11.933	ug/l	91
46) Dibromomethane	6.24	93	15495	14.380	ug/l #	77
47) Bromodichloromethane	6.54	83	40036	14.711	ug/l	97
48) Methyl methacrylate	6.87	41	9709	12.181	ug/l #	82
49) 1,4-Dioxane	6.86	88	1695	247.363	ug/l #	52
51) 4-Methyl-2-Pentanone	8.41	43	52663	64.160	ug/l	93
52) Toluene	7.78	92	41708	12.068	ug/l	89
53) t-1,3-Dichloropropene	8.43	75	31707	15.001	ug/l #	80
54) cis-1,3-Dichloropropene	7.45	75	32689	13.279	ug/l	90
55) 1,1,2-Trichloroethane	8.62	97	12054	11.349	ug/l	94
56) Ethyl methacrylate	8.76	69	14730	11.986	ug/l #	88
57) 1,3-Dichloropropane	9.00	76	24214	13.239	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	9464	75.783	ug/l	100
59) 2-Hexanone	9.63	43	42398	71.411	ug/l	98
60) Dibromochloromethane	8.85	129	24371	14.617	ug/l	93
61) 1,2-Dibromoethane	9.13	107	16103	13.418	ug/l	88
64) Tetrachloroethene	8.30	164	19632	11.278	ug/l	91
65) Chlorobenzene	9.94	112	50128	11.753	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	26794	13.946	ug/l	91
67) Ethyl Benzene	10.03	91	102524	12.741	ug/l	94
68) m/p-Xylenes	10.27	106	64869	23.615	ug/l	84
69) o-Xylene	10.82	106	35323	11.824	ug/l	95
70) Styrene	10.90	104	51298	11.930	ug/l	96
71) Bromoform	10.88	173	13991	14.364	ug/l	99
73) Isopropylbenzene	11.23	105	133531	12.238	ug/l	97
74) N-amyl acetate	11.46	43	23138	9.742	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	16933	9.233	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	16124	11.373	ug/l	83
77) Bromobenzene	11.59	156	26295	10.844	ug/l	92
78) n-propylbenzene	11.69	91	152809	11.759	ug/l	96
79) 2-Chlorotoluene	11.81	91	88255	11.600	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	115259	12.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	7487m	12.112	ug/l	
82) 4-Chlorotoluene	11.99	91	96941	12.350	ug/l	95
83) tert-Butylbenzene	12.21	119	120032	13.044	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	110732	11.915	ug/l	95
85) sec-Butylbenzene	12.39	105	150684	12.074	ug/l	94
86) p-Isopropyltoluene	12.54	119	133415	13.022	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	57595	12.470	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	53043	11.842	ug/l	98
89) n-Butylbenzene	12.91	91	144554	13.483	ug/l	94
90) Hexachloroethane	12.99	117	34059	13.902	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	52519	11.812	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3753	9.641	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	43791	12.754	ug/l	94
94) Hexachlorobutadiene	14.25	225	30047	12.871	ug/l	96
95) Naphthalene	14.52	128	59976	10.161	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.67	180	38479	12.029	ug/l	94

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

