

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060509.D
 Acq On : 25 Oct 2018 16:02
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:45 AM

Quant Time: Oct 26 00:51:00 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	159387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	245250	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	227894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	154199	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	225246	93.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.38%	
35) Dibromofluoromethane	4.29	113	203005	89.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.84%	
50) Toluene-d8	7.71	98	426668	78.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.26%	
62) 4-Bromofluorobenzene	11.51	95	226056	94.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	282967	90.350	ug/l	92
3) Chloromethane	1.13	50	142977	73.790	ug/l	95
4) Vinyl Chloride	1.18	62	163322	77.708	ug/l	96
5) Bromomethane	1.36	94	155189	93.891	ug/l	93
6) Chloroethane	1.42	64	98803	88.931	ug/l	92
7) Trichlorofluoromethane	1.55	101	511270	108.530	ug/l	99
8) Diethyl Ether	1.70	74	48596	72.094	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212108	90.009	ug/l	99
10) Methyl Iodide	1.97	142	314021m	84.048	ug/l	
11) Tert butyl alcohol	2.68	59	54032	426.603	ug/l	95
12) 1,1-Dichloroethene	1.85	96	163234	82.926	ug/l	84
13) Acrolein	2.08	56	50165	639.198	ug/l	100
14) Allyl chloride	2.18	41	250888	86.467	ug/l	98
15) Acrylonitrile	3.07	53	88800	333.028	ug/l	87
16) Acetone	2.33	43	220974	417.196	ug/l	99
17) Carbon Disulfide	1.83	76	420447m	76.807	ug/l	
18) Methyl Acetate	2.44	43	72691	72.410	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	388390	87.653	ug/l	95
20) Methylene Chloride	2.27	84	136560m	74.270	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	148066	80.591	ug/l	92
22) Diisopropyl ether	2.92	45	452367	75.845	ug/l	99
23) Vinyl Acetate	3.32	43	709317	339.727	ug/l	100
24) 1,1-Dichloroethane	3.00	63	333810	83.398	ug/l	98
25) 2-Butanone	4.49	43	178982	310.427	ug/l #	88
26) 2,2-Dichloropropane	3.76	77	220811	105.805	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	149711	69.808	ug/l	93
28) Bromochloromethane	3.87	49	95330	68.570	ug/l	95
29) Tetrahydrofuran	4.24	42	69038	284.049	ug/l	97
30) Chloroform	4.02	83	389249	84.036	ug/l	92
31) Cyclohexane	3.85	56	157889	61.661	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	360975	98.924	ug/l	95
36) 1,1-Dichloropropene	4.45	75	237748	83.342	ug/l	95
37) Ethyl Acetate	4.28	43	70030	69.499	ug/l	76
38) Carbon Tetrachloride	4.16	117	358112m	124.972	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	199829	74.398	ug/l	89
40) Benzene	4.80	78	391691	66.874	ug/l	94
41) Methacrylonitrile	4.91	41	39803	69.522	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	258119	97.141	ug/l	97
43) Isopropyl Acetate	7.11	43	77930	62.053	ug/l #	94
44) Trichloroethene	5.67	130	135474	74.248	ug/l	93
45) 1,2-Dichloropropane	6.40	63	100443	70.054	ug/l	93
46) Dibromomethane	6.25	93	97840	85.070	ug/l	99
47) Bromodichloromethane	6.55	83	271049	93.315	ug/l	98
48) Methyl methacrylate	6.87	41	63518	74.663	ug/l	95
49) 1,4-Dioxane	6.85	88	10289	1406.819	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	318289	363.314	ug/l	95
52) Toluene	7.78	92	256722	69.595	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	186382	82.618	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	203260	77.360	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	83299	73.476	ug/l	89
56) Ethyl methacrylate	8.75	69	91234	69.554	ug/l	87
57) 1,3-Dichloropropane	9.00	76	146891	75.248	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	61195	459.103	ug/l	100
59) 2-Hexanone	9.63	43	223000	351.904	ug/l	96
60) Dibromochloromethane	8.86	129	165172	92.816	ug/l	92
61) 1,2-Dibromoethane	9.14	107	100542	78.491	ug/l	99
64) Tetrachloroethene	8.30	164	129623	71.763	ug/l	95
65) Chlorobenzene	9.94	112	339647	76.742	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	175607	88.086	ug/l	98
67) Ethyl Benzene	10.03	91	654504	78.383	ug/l	99
68) m/p-Xylenes	10.27	106	416039	145.956	ug/l	95
69) o-Xylene	10.82	106	231951	74.826	ug/l	99
70) Styrene	10.90	104	326114	73.086	ug/l	100
71) Bromoform	10.89	173	92798	91.813	ug/l	93
73) Isopropylbenzene	11.23	105	838939	73.193	ug/l	99
74) N-amyl acetate	11.46	43	144705	58.002	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	121969	63.310	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	97503	65.468	ug/l	93
77) Bromobenzene	11.59	156	175465	68.886	ug/l	99
78) n-propylbenzene	11.69	91	921834	67.527	ug/l	99
79) 2-Chlorotoluene	11.81	91	562531	70.388	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	711048	73.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	45165m	69.555	ug/l	
82) 4-Chlorotoluene	11.99	91	595354	72.205	ug/l	97
83) tert-Butylbenzene	12.21	119	725676	75.071	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	706351	72.353	ug/l	92
85) sec-Butylbenzene	12.39	105	983514	75.019	ug/l	97
86) p-Isopropyltoluene	12.54	119	824904	76.646	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	333515	68.740	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	345227	73.370	ug/l	98
89) n-Butylbenzene	12.91	91	856669	76.067	ug/l	99
90) Hexachloroethane	12.99	117	221292	85.987	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	319531	68.413	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	34970	85.520	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	266831	73.978	ug/l	97
94) Hexachlorobutadiene	14.25	225	207571	84.647	ug/l	96
95) Naphthalene	14.52	128	486832	78.517	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	265342	78.962	ug/l	94

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

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