

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060511.D
 Acq On : 25 Oct 2018 16:59
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:58 AM

Quant Time: Oct 26 00:54:32 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	222888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	353402	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	322534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	194388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	585817	173.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.62%	
35) Dibromofluoromethane	4.29	113	523487	160.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	321.84%	
50) Toluene-d8	7.71	98	1082813	138.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.98%	
62) 4-Bromofluorobenzene	11.51	95	562631	164.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	581806	132.842	ug/l	89
3) Chloromethane	1.14	50	304593	112.413	ug/l	91
4) Vinyl Chloride	1.18	62	357967	121.796	ug/l	98
5) Bromomethane	1.35	94	315867	136.658	ug/l	90
6) Chloroethane	1.41	64	209574	134.892	ug/l	93
7) Trichlorofluoromethane	1.54	101	1056353	160.352	ug/l	99
8) Diethyl Ether	1.70	74	125452	133.089	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	475003	144.142	ug/l	93
10) Methyl Iodide	1.96	142	730939	139.900	ug/l	94
11) Tert butyl alcohol	2.69	59	145012	818.735	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	347965	126.410	ug/l	79
13) Acrolein	2.08	56	140495	1280.152	ug/l	97
14) Allyl chloride	2.18	41	596273	146.954	ug/l	93
15) Acrylonitrile	3.07	53	259359	695.561	ug/l	87
16) Acetone	2.34	43	578394	780.889	ug/l	96
17) Carbon Disulfide	1.84	76	935607m	122.222	ug/l	
18) Methyl Acetate	2.45	43	200613	142.904	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	977719	157.789	ug/l	100
20) Methylene Chloride	2.27	84	332691	129.390	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	369667	143.883	ug/l	87
22) Diisopropyl ether	2.92	45	1120041	134.288	ug/l #	95
23) Vinyl Acetate	3.34	43	1980713	678.386	ug/l	97
24) 1,1-Dichloroethane	3.00	63	788299	140.835	ug/l	98
25) 2-Butanone	4.51	43	564199	699.759	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	520327	178.290	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	389595	129.907	ug/l	91
28) Bromochloromethane	3.89	49	249619	128.396	ug/l #	97
29) Tetrahydrofuran	4.24	42	218847	643.891	ug/l	96
30) Chloroform	4.04	83	977708	150.943	ug/l	87
31) Cyclohexane	3.87	56	439565	122.757	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	898017	175.984	ug/l	98
36) 1,1-Dichloropropene	4.46	75	648803	157.833	ug/l	93
37) Ethyl Acetate	4.28	43	218376	150.396	ug/l #	94
38) Carbon Tetrachloride	4.17	117	933489m	226.070	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	498847	128.887	ug/l	88
40) Benzene	4.80	78	1143191	135.449	ug/l	96
41) Methacrylonitrile	4.92	41	131494	159.388	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	698314	182.378	ug/l	100
43) Isopropyl Acetate	7.11	43	265235	146.564	ug/l #	98
44) Trichloroethene	5.67	130	354605	134.870	ug/l	91
45) 1,2-Dichloropropane	6.40	63	281904	136.444	ug/l	91
46) Dibromomethane	6.25	93	258566	156.017	ug/l	96
47) Bromodichloromethane	6.55	83	688122	164.403	ug/l	96
48) Methyl methacrylate	6.87	41	192115	156.716	ug/l #	92
49) 1,4-Dioxane	6.85	88	29147	2765.662	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	931664	738.005	ug/l	90
52) Toluene	7.78	92	716337	134.764	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	521667	160.475	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	566813	149.709	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	246668	150.994	ug/l	96
56) Ethyl methacrylate	8.76	69	285130	150.851	ug/l	88
57) 1,3-Dichloropropane	9.00	76	435261	154.735	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	155682	810.536	ug/l	100
59) 2-Hexanone	9.62	43	690340	756.000	ug/l	98
60) Dibromochloromethane	8.87	129	457789	178.523	ug/l	95
61) 1,2-Dibromoethane	9.13	107	313588	169.891	ug/l	94
64) Tetrachloroethene	8.30	164	333482	130.452	ug/l	92
65) Chlorobenzene	9.94	112	885432	141.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	416330	147.557	ug/l	91
67) Ethyl Benzene	10.04	91	1598768	135.286	ug/l	98
68) m/p-Xylenes	10.28	106	1062597	263.398	ug/l	84
69) o-Xylene	10.83	106	616682	140.565	ug/l	85
70) Styrene	10.91	104	849547	134.527	ug/l	96
71) Bromoform	10.89	173	251142	175.567	ug/l	98
73) Isopropylbenzene	11.23	105	1866298	129.161	ug/l	93
74) N-amyl acetate	11.47	43	443908	141.144	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	346520	142.679	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	276692	147.373	ug/l	98
77) Bromobenzene	11.60	156	437699	136.309	ug/l	94
78) n-propylbenzene	11.68	91	2122812	123.353	ug/l	97
79) 2-Chlorotoluene	11.81	91	1350186	134.017	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	1542775	127.272	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	134182m	163.919	ug/l	
82) 4-Chlorotoluene	11.99	91	1408081	135.467	ug/l	94
83) tert-Butylbenzene	12.22	119	1532872	125.790	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1543787	125.439	ug/l	90
85) sec-Butylbenzene	12.38	105	2078848	125.784	ug/l	97
86) p-Isopropyltoluene	12.54	119	1715417	126.435	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	778699	127.315	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	824036	138.923	ug/l	98
89) n-Butylbenzene	12.92	91	1772254	124.831	ug/l	89
90) Hexachloroethane	13.00	117	502512	154.891	ug/l	85
91) 1,2-Dichlorobenzene	13.03	146	777768	132.096	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	94118	182.582	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	600547	132.077	ug/l	94
94) Hexachlorobutadiene	14.26	225	465583	150.610	ug/l	95
95) Naphthalene	14.52	128	1242763	158.996	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	600241	141.694	ug/l	98

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

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