

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059640.D
 Acq On : 24 Jul 2018 18:54
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:32:23 PM

Quant Time: Jul 25 01:57:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	250290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	354941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	326314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	196643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	486409	126.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.08%	
35) Dibromofluoromethane	4.28	113	425146	130.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.84%	
50) Toluene-d8	7.70	98	1075955	132.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.70%	
62) 4-Bromofluorobenzene	11.50	95	533443	115.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	384828	124.967	ug/l	97
3) Chloromethane	1.08	50	207561	142.756	ug/l	95
4) Vinyl Chloride	1.15	62	228581	143.009	ug/l	97
5) Bromomethane	1.33	94	169110	124.053	ug/l	98
6) Chloroethane	1.41	64	118934	121.859	ug/l	89
7) Trichlorofluoromethane	1.53	101	557459m	128.988	ug/l	
8) Diethyl Ether	1.69	74	90547	148.110	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.88	101	289323	130.307	ug/l	94
10) Methyl Iodide	1.95	142	480336	131.361	ug/l	93
11) Tert butyl alcohol	2.68	59	87874	567.365	ug/l	94
12) 1,1-Dichloroethene	1.84	96	232408	134.042	ug/l	83
13) Acrolein	2.09	56	46579	612.626	ug/l	84
14) Allyl chloride	2.18	41	411456	131.152	ug/l	92
15) Acrylonitrile	3.06	53	145953	610.196	ug/l	94
16) Acetone	2.33	43	298320	460.046	ug/l #	94
17) Carbon Disulfide	1.83	76	570042	126.484	ug/l	98
18) Methyl Acetate	2.44	43	117478	106.785	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	605446	120.588	ug/l	97
20) Methylene Chloride	2.27	84	197144	100.503	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	233404	129.741	ug/l	97
22) Diisopropyl ether	2.92	45	750632	130.859	ug/l	96
23) Vinyl Acetate	3.32	43	1731156	605.593	ug/l	97
24) 1,1-Dichloroethane	2.99	63	521685	126.257	ug/l	99
25) 2-Butanone	4.49	43	385280	569.144	ug/l	94
26) 2,2-Dichloropropane	3.74	77	406189	118.080	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	283318	137.238	ug/l	95
28) Bromochloromethane	3.87	49	174248	114.748	ug/l	96
29) Tetrahydrofuran	4.24	42	153205	555.489	ug/l	96
30) Chloroform	4.02	83	712801	124.972	ug/l	99
31) Cyclohexane	3.85	56	311472	134.469	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	597575	117.125	ug/l	99
36) 1,1-Dichloropropene	4.44	75	480195	134.533	ug/l	98
37) Ethyl Acetate	4.28	43	170457	121.357	ug/l #	60
38) Carbon Tetrachloride	4.16	117	649289	120.177	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	381808	132.618	ug/l	94
40) Benzene	4.80	78	863140	132.276	ug/l	99
41) Methacrylonitrile	4.91	41	86425	124.571	ug/l	94
42) 1,2-Dichloroethane	5.10	62	509046	117.913	ug/l	98
43) Isopropyl Acetate	7.10	43	226737	129.629	ug/l	99
44) Trichloroethene	5.66	130	311354	125.052	ug/l	88
45) 1,2-Dichloropropane	6.39	63	221998	127.236	ug/l	98
46) Dibromomethane	6.24	93	183472	129.353	ug/l	94
47) Bromodichloromethane	6.53	83	541694	124.716	ug/l	97
48) Methyl methacrylate	6.86	41	171275	128.608	ug/l	96
49) 1,4-Dioxane	6.85	88	26080	2785.844	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	741642	566.785	ug/l	98
52) Toluene	7.77	92	618879	125.402	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	418547	115.132	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	481082	132.841	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	203600	124.366	ug/l	96
56) Ethyl methacrylate	8.75	69	235322	129.664	ug/l	97
57) 1,3-Dichloropropane	8.99	76	348843	121.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	128391	596.012	ug/l	100
59) 2-Hexanone	9.62	43	590176	567.723	ug/l	98
60) Dibromochloromethane	8.85	129	375162	127.620	ug/l	100
61) 1,2-Dibromoethane	9.13	107	249248	132.280	ug/l	97
64) Tetrachloroethene	8.29	164	333757	136.604	ug/l	97
65) Chlorobenzene	9.93	112	800816	134.607	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	354067	130.626	ug/l	98
67) Ethyl Benzene	10.03	91	1409428	130.810	ug/l	97
68) m/p-Xylenes	10.26	106	954458	255.327	ug/l	91
69) o-Xylene	10.82	106	548882	136.158	ug/l	92
70) Styrene	10.89	104	778678	129.664	ug/l	96
71) Bromoform	10.88	173	216954	130.387	ug/l #	91
73) Isopropylbenzene	11.22	105	1624515	130.312	ug/l	100
74) N-amyl acetate	11.45	43	385702	140.855	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	260423	126.372	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	211923	117.418	ug/l	95
77) Bromobenzene	11.59	156	411726	129.485	ug/l	95
78) n-propylbenzene	11.68	91	1828867	122.977	ug/l	96
79) 2-Chlorotoluene	11.81	91	1136591	127.095	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	1396249	124.800	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	138993	186.031	ug/l	92
82) 4-Chlorotoluene	11.98	91	1234046	124.515	ug/l	98
83) tert-Butylbenzene	12.21	119	1352613	122.410	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1434195	126.561	ug/l	95
85) sec-Butylbenzene	12.38	105	1860496	129.689	ug/l	99
86) p-Isopropyltoluene	12.54	119	1589960	126.610	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	720017	116.591	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	753113	130.815	ug/l	98
89) n-Butylbenzene	12.91	91	1513299	125.440	ug/l	91
90) Hexachloroethane	12.99	117	408446	130.285	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	717243	123.444	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	67471	134.577	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	541648	124.753	ug/l	98
94) Hexachlorobutadiene	14.25	225	410691	135.516	ug/l	94
95) Naphthalene	14.52	128	968953	138.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	524305	133.192	ug/l	98

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

