

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059635.D
 Acq On : 24 Jul 2018 16:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:03:16 PM

Quant Time: Jul 25 01:17:27 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	5.02	168	246937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	336642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	324747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	212774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	32751	8.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.20%	
35) Dibromofluoromethane	4.28	113	31857	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	7.70	98	73096	9.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.96%	
62) 4-Bromofluorobenzene	11.50	95	38954	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.98	85	30295	9.971	ug/l	91
3) Chloromethane	1.08	50	15394	10.731	ug/l	96
4) Vinyl Chloride	1.15	62	16272	10.319	ug/l	93
5) Bromomethane	1.33	94	12124	9.015	ug/l	95
6) Chloroethane	1.41	64	10167	10.558	ug/l #	77
7) Trichlorofluoromethane	1.48	101	47096m	11.045	ug/l	
8) Diethyl Ether	1.68	74	6423	10.649	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	1.88	101	26475	12.086	ug/l	95
10) Methyl Iodide	1.95	142	38171	10.581	ug/l #	88
11) Tert butyl alcohol	2.68	59	6507	42.583	ug/l	96
12) 1,1-Dichloroethene	1.84	96	18875	11.034	ug/l #	83
13) Acrolein	2.08	56	3210	42.793	ug/l #	68
14) Allyl chloride	2.18	41	33012	10.666	ug/l	92
15) Acrylonitrile	3.06	53	12729	53.940	ug/l	96
16) Acetone	2.32	43	28879	45.140	ug/l	98
17) Carbon Disulfide	1.83	76	51703	11.628	ug/l	95
18) Methyl Acetate	2.44	43	9576	8.823	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	43950	8.872	ug/l	97
20) Methylene Chloride	2.26	84	20573m	10.630	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	17746	9.998	ug/l	92
22) Diisopropyl ether	2.92	45	58892	10.406	ug/l #	95
23) Vinyl Acetate	3.32	43	138723	49.187	ug/l	97
24) 1,1-Dichloroethane	2.98	63	43819	10.749	ug/l	99
25) 2-Butanone	4.49	43	32534	48.712	ug/l	97
26) 2,2-Dichloropropane	3.74	77	36823	10.850	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	24342	11.951	ug/l	86
28) Bromochloromethane	3.87	49	15809	10.552	ug/l	99
29) Tetrahydrofuran	4.24	42	13607	50.006	ug/l	98
30) Chloroform	4.02	83	59891	10.643	ug/l	98
31) Cyclohexane	3.84	56	25877	11.323	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	51630	10.257	ug/l #	91
36) 1,1-Dichloropropene	4.44	75	38856	11.478	ug/l	98
37) Ethyl Acetate	4.27	43	14501	10.885	ug/l #	81
38) Carbon Tetrachloride	4.16	117	54560	10.647	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	32578	11.931	ug/l #	82
40) Benzene	4.79	78	73140	11.818	ug/l	98
41) Methacrylonitrile	4.91	41	7721	11.734	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	42034	10.266	ug/l	98
43) Isopropyl Acetate	7.09	43	15248	9.191	ug/l #	99
44) Trichloroethene	5.66	130	27721	11.739	ug/l	82
45) 1,2-Dichloropropane	6.38	63	17886	10.808	ug/l #	82
46) Dibromomethane	6.24	93	15634	11.622	ug/l #	87
47) Bromodichloromethane	6.53	83	41300	10.026	ug/l #	88
48) Methyl methacrylate	6.86	41	11573	9.162	ug/l	92
49) 1,4-Dioxane	6.86	88	1817	204.641	ug/l	99
51) 4-Methyl-2-Pentanone	8.40	43	59620	48.040	ug/l	99
52) Toluene	7.77	92	51561	11.016	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	35226	10.217	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	35345	10.290	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	16098	10.368	ug/l	97
56) Ethyl methacrylate	8.75	69	16010	9.301	ug/l	93
57) 1,3-Dichloropropane	8.99	76	27568	10.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	11330	55.455	ug/l	100
59) 2-Hexanone	9.62	43	44151	44.780	ug/l	99
60) Dibromochloromethane	8.85	129	28615	10.263	ug/l	92
61) 1,2-Dibromoethane	9.12	107	18158	10.161	ug/l	96
64) Tetrachloroethene	8.29	164	26337	10.831	ug/l #	91
65) Chlorobenzene	9.92	112	67213	11.352	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	29709	11.013	ug/l	97
67) Ethyl Benzene	10.02	91	122568	11.430	ug/l	100
68) m/p-Xylenes	10.26	106	88561	23.805	ug/l	94
69) o-Xylene	10.82	106	44126	10.999	ug/l	96
70) Styrene	10.89	104	66124	11.064	ug/l	97
71) Bromoform	10.88	173	17026	10.282	ug/l	85
73) Isopropylbenzene	11.22	105	147494	10.934	ug/l	95
74) N-amyl acetate	11.45	43	28798	9.719	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.78	83	19529	8.758	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	17255	8.836	ug/l	91
77) Bromobenzene	11.59	156	36234	10.531	ug/l	95
78) n-propylbenzene	11.68	91	179137	11.132	ug/l	99
79) 2-Chlorotoluene	11.81	91	102867	10.631	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	130768	10.802	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	10749	13.296	ug/l	92
82) 4-Chlorotoluene	11.98	91	111263	10.375	ug/l	96
83) tert-Butylbenzene	12.21	119	136088	11.382	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	135884	11.082	ug/l	100
85) sec-Butylbenzene	12.38	105	176091	11.344	ug/l	95
86) p-Isopropyltoluene	12.54	119	157831	11.615	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	78267	11.713	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	66659	10.701	ug/l	94
89) n-Butylbenzene	12.91	91	154345	11.824	ug/l	96
90) Hexachloroethane	12.99	117	36170	10.663	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	62985	10.018	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4715	8.692	ug/l #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	52711	11.220	ug/l	95
94) Hexachlorobutadiene	14.25	225	39918	12.173	ug/l	94
95) Naphthalene	14.52	128	70787	9.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	46488	10.914	ug/l	94

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

