

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059953.D
 Acq On : 14 Aug 2018 19:09
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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apatel
 8/16/2018 12:14:58 PM

Quant Time: Aug 15 09:07:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	116223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	150296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	154315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	106055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	20067	9.56	ug/l	0.00
Spiked Amount						
			Recovery	=	19.12%	
35) Dibromofluoromethane	4.31	113	16721	11.27	ug/l	0.00
Spiked Amount						
			Recovery	=	22.54%	
50) Toluene-d8	7.73	98	33894	10.63	ug/l	0.00
Spiked Amount						
			Recovery	=	21.26%	
62) 4-Bromofluorobenzene	11.52	95	17802	9.93	ug/l	0.00
Spiked Amount						
			Recovery	=	19.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	19027	9.82	ug/l	94
3) Chloromethane	1.09	50	7166	7.98	ug/l #	78
4) Vinyl Chloride	1.15	62	9087	9.75	ug/l #	79
5) Bromomethane	1.35	94	8458	9.69	ug/l	86
6) Chloroethane	1.44	64	5976	10.24	ug/l #	85
7) Trichlorofluoromethane	1.54	101	27084m	10.52	ug/l	
8) Diethyl Ether	1.70	74	3288	8.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	14553	10.38	ug/l	91
10) Methyl Iodide	1.98	142	20806	9.70	ug/l #	96
11) Tert butyl alcohol	2.69	59	4126	48.15	ug/l #	85
12) 1,1-Dichloroethene	1.87	96	10035	9.77	ug/l	92
13) Acrolein	2.09	56	1576m	30.95	ug/l	
14) Allyl chloride	2.20	41	12747	7.73	ug/l	91
15) Acrylonitrile	3.07	53	6243	41.71	ug/l	86
16) Acetone	2.35	43	21890	56.33	ug/l	99
17) Carbon Disulfide	1.89	76	24999	9.26	ug/l	93
18) Methyl Acetate	2.46	43	5932	9.28	ug/l #	85
19) Methyl tert-butyl Ether	2.54	73	28005	9.63	ug/l	99
20) Methylene Chloride	2.29	84	12359m	13.48	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	8852	8.72	ug/l	94
22) Diisopropyl ether	2.94	45	30143	9.16	ug/l	96
23) Vinyl Acetate	3.34	43	72938	45.55	ug/l #	96
24) 1,1-Dichloroethane	3.02	63	21115	8.84	ug/l	97
25) 2-Butanone	4.53	43	22050	52.87	ug/l	92
26) 2,2-Dichloropropane	3.76	77	14889	10.49	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	9746	8.62	ug/l	94
28) Bromochloromethane	3.90	49	7461	8.71	ug/l #	90
29) Tetrahydrofuran	4.27	42	7282	47.44	ug/l	94
30) Chloroform	4.05	83	31131	9.62	ug/l	97
31) Cyclohexane	3.87	56	10776	9.14	ug/l	89
32) 1,1,1-Trichloroethane	4.29	97	24242	9.35	ug/l	91
36) 1,1-Dichloropropene	4.48	75	17485	10.25	ug/l	92
37) Ethyl Acetate	4.31	43	8226	11.24	ug/l	86
38) Carbon Tetrachloride	4.19	117	30696	12.06	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	12650	9.94	ug/l	96
40) Benzene	4.83	78	29159	7.69	ug/l	93
41) Methacrylonitrile	4.94	41	3392	8.85	ug/l #	74
42) 1,2-Dichloroethane	5.12	62	23477	9.87	ug/l	97
43) Isopropyl Acetate	7.13	43	7974	10.34	ug/l	99
44) Trichloroethene	5.70	130	11699	10.31	ug/l	79
45) 1,2-Dichloropropane	6.42	63	7089	9.04	ug/l	91
46) Dibromomethane	6.27	93	8056	10.13	ug/l	91
47) Bromodichloromethane	6.56	83	22651	10.40	ug/l	93
48) Methyl methacrylate	6.88	41	5149	8.65	ug/l #	73
49) 1,4-Dioxane	6.88	88	868	229.15	ug/l #	65
51) 4-Methyl-2-Pentanone	8.42	43	39707	50.71	ug/l	97
52) Toluene	7.80	92	21917	10.11	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	18858	11.19	ug/l #	86
54) cis-1,3-Dichloropropene	7.47	75	17164	9.96	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	7061	9.06	ug/l #	87
56) Ethyl methacrylate	8.78	69	7436	11.69	ug/l	96
57) 1,3-Dichloropropane	9.02	76	13901	10.27	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.80	63	5821	56.46	ug/l	100
59) 2-Hexanone	9.65	43	27916	50.17	ug/l	97
60) Dibromochloromethane	8.88	129	14518	9.88	ug/l	96
61) 1,2-Dibromoethane	9.15	107	9515	10.02	ug/l #	78
64) Tetrachloroethene	8.32	164	12156	9.43	ug/l	90
65) Chlorobenzene	9.96	112	30085	9.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	14970	9.80	ug/l	85
67) Ethyl Benzene	10.05	91	52841	9.88	ug/l	94
68) m/p-Xylenes	10.28	106	36963	19.98	ug/l	98
69) o-Xylene	10.84	106	20016	10.31	ug/l	96
70) Styrene	10.91	104	28884	9.86	ug/l	97
71) Bromoform	10.90	173	9146	9.71	ug/l	93
73) Isopropylbenzene	11.24	105	63425	9.66	ug/l	97
74) N-amyl acetate	11.47	43	13110	10.53	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	10903	8.91	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	10001	9.47	ug/l	97
77) Bromobenzene	11.61	156	18226	10.18	ug/l	88
78) n-propylbenzene	11.70	91	81853	10.54	ug/l	98
79) 2-Chlorotoluene	11.83	91	50607	10.35	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	64614	10.61	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	3860m	9.20	ug/l	
82) 4-Chlorotoluene	12.01	91	56776	10.57	ug/l	98
83) tert-Butylbenzene	12.22	119	63117	10.58	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	64767	10.26	ug/l	95
85) sec-Butylbenzene	12.40	105	80034	10.12	ug/l	98
86) p-Isopropyltoluene	12.55	119	71136	10.73	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	35373	10.44	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	34567	10.36	ug/l	95
89) n-Butylbenzene	12.93	91	68591	10.73	ug/l	97
90) Hexachloroethane	13.00	117	16922	9.36	ug/l	77
91) 1,2-Dichlorobenzene	13.03	146	33922	10.44	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3117	10.10	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	27198	10.88	ug/l	87
94) Hexachlorobutadiene	14.26	225	19459	11.00	ug/l	94
95) Naphthalene	14.53	128	37222	8.70	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	25212	10.31	ug/l	99

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

