

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059511.D
 Acq On : 17 Jul 2018 17:06
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:01 PM

Quant Time: Jul 18 02:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	288016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	405157	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	410783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	244772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	44484	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	
35) Dibromofluoromethane	4.31	113	37082	10.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.08%	
50) Toluene-d8	7.72	98	96286	11.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.12%	
62) 4-Bromofluorobenzene	11.52	95	52625	11.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	36592	11.16	ug/l	100
3) Chloromethane	1.09	50	20637	11.17	ug/l	95
4) Vinyl Chloride	1.15	62	20650	10.73	ug/l	98
5) Bromomethane	1.34	94	14539	10.84	ug/l	100
6) Chloroethane	1.43	64	10758	10.68	ug/l #	82
7) Trichlorofluoromethane	1.52	101	52031	11.78	ug/l	95
8) Diethyl Ether	1.71	74	8059	9.10	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22243m	10.60	ug/l	
10) Methyl Iodide	1.96	142	40475	11.44	ug/l #	96
11) Tert butyl alcohol	2.70	59	9789	48.55	ug/l #	62
12) 1,1-Dichloroethene	1.87	96	23573	11.63	ug/l	81
13) Acrolein	2.09	56	6142	54.52	ug/l	96
14) Allyl chloride	2.19	41	28106	10.57	ug/l	93
15) Acrylonitrile	3.09	53	17602	47.31	ug/l	90
16) Acetone	2.35	43	40410	54.73	ug/l #	90
17) Carbon Disulfide	1.88	76	59930	10.89	ug/l	98
18) Methyl Acetate	2.46	43	16798m	11.08	ug/l	
19) Methyl tert-butyl Ether	2.55	73	70977	10.71	ug/l	100
20) Methylene Chloride	2.32	84	29619	11.20	ug/l #	95
21) trans-1,2-Dichloroethene	2.42	96	21839	11.83	ug/l	95
22) Diisopropyl ether	2.94	45	76889	10.09	ug/l	99
23) Vinyl Acetate	3.34	43	249016	56.23	ug/l	98
24) 1,1-Dichloroethane	3.01	63	50848	11.75	ug/l	100
25) 2-Butanone	4.53	43	56932	53.04	ug/l	96
26) 2,2-Dichloropropane	3.77	77	34070	11.73	ug/l	92
27) cis-1,2-Dichloroethene	3.65	96	25882	10.25	ug/l	91
28) Bromochloromethane	3.91	49	21237	10.59	ug/l	99
29) Tetrahydrofuran	4.28	42	24425	52.98	ug/l	93
30) Chloroform	4.05	83	70540	10.86	ug/l	96
31) Cyclohexane	3.88	56	27954	11.44	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	47798	10.60	ug/l	97
36) 1,1-Dichloropropene	4.47	75	42330	10.26	ug/l	98
37) Ethyl Acetate	4.31	43	30322	12.01	ug/l #	83
38) Carbon Tetrachloride	4.18	117	52423m	10.96	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	36557	11.77	ug/l	93
40) Benzene	4.82	78	90294	11.26	ug/l	98
41) Methacrylonitrile	4.94	41	13482	11.07	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	55203	10.76	ug/l	99
43) Isopropyl Acetate	7.13	43	31546	10.43	ug/l #	96
44) Trichloroethene	5.69	130	33421	11.56	ug/l	81
45) 1,2-Dichloropropane	6.42	63	23633	10.39	ug/l	94
46) Dibromomethane	6.27	93	21472	10.57	ug/l	99
47) Bromodichloromethane	6.57	83	55389	10.67	ug/l #	91
48) Methyl methacrylate	6.89	41	21663	9.94	ug/l	97
49) 1,4-Dioxane	6.88	88	2397	243.15	ug/l #	81
51) 4-Methyl-2-Pentanone	8.42	43	119665	56.40	ug/l	98
52) Toluene	7.79	92	65581	11.38	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	53743	11.72	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	49975	10.50	ug/l	89
55) 1,1,2-Trichloroethane	8.65	97	23897	10.41	ug/l	89
56) Ethyl methacrylate	8.78	69	29372	10.16	ug/l	95
57) 1,3-Dichloropropane	9.01	76	44654	11.43	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	14058	58.21	ug/l	100
59) 2-Hexanone	9.64	43	86439	51.93	ug/l	98
60) Dibromochloromethane	8.87	129	38693	10.38	ug/l	100
61) 1,2-Dibromoethane	9.15	107	28668	10.32	ug/l	87
64) Tetrachloroethene	8.32	164	31529	9.74	ug/l	98
65) Chlorobenzene	9.96	112	85528	11.07	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	37900	10.83	ug/l	94
67) Ethyl Benzene	10.05	91	150788	10.94	ug/l	95
68) m/p-Xylenes	10.28	106	106831	21.64	ug/l	97
69) o-Xylene	10.84	106	57215	11.15	ug/l	90
70) Styrene	10.91	104	87256	10.75	ug/l	96
71) Bromoform	10.90	173	25452	9.98	ug/l	96
73) Isopropylbenzene	11.24	105	170527	10.92	ug/l	100
74) N-amyl acetate	11.48	43	54259	9.79	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	37733	11.02	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30107	10.66	ug/l	92
77) Bromobenzene	11.60	156	47714	10.84	ug/l	93
78) n-propylbenzene	11.69	91	201980	11.17	ug/l	96
79) 2-Chlorotoluene	11.82	91	122077	11.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	138298	10.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	13467m	10.06	ug/l	
82) 4-Chlorotoluene	12.00	91	134184	10.60	ug/l	93
83) tert-Butylbenzene	12.23	119	139003	11.06	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	149140	11.12	ug/l	93
85) sec-Butylbenzene	12.39	105	181655	11.45	ug/l	96
86) p-Isopropyltoluene	12.55	119	157893	11.25	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	86434	11.47	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	81446	11.17	ug/l	94
89) n-Butylbenzene	12.93	91	150856	11.70	ug/l	96
90) Hexachloroethane	13.00	117	35335	11.18	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	81055	11.54	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8155	10.73	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	50572	11.51	ug/l	96
94) Hexachlorobutadiene	14.27	225	27838	14.32	ug/l	95
95) Naphthalene	14.53	128	96221	10.30	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	41618	10.86	ug/l	96

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

