

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060204.D
 Acq On : 6 Sep 2018 16:51
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF090618

Quant Time: Sep 07 12:03:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	146986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	217634	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	216139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	143503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	137507	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	4.29	113	110022	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	7.71	98	275861	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.51	95	145033	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	130045	46.41	ug/l	100
3) Chloromethane	1.08	50	73892	50.01	ug/l	96
4) Vinyl Chloride	1.13	62	57523	50.52	ug/l	96
5) Bromomethane	1.33	94	48235	47.28	ug/l	97
6) Chloroethane	1.40	64	37333	51.19	ug/l	98
7) Trichlorofluoromethane	1.49	101	166977	52.58	ug/l	95
8) Diethyl Ether	1.71	74	24034	51.19	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.87	101	79819	51.40	ug/l	95
10) Methyl Iodide	1.93	142	72808	52.05	ug/l	94
11) Tert butyl alcohol	2.71	59	29907	241.49	ug/l	97
12) 1,1-Dichloroethene	1.83	96	50238	47.55	ug/l	96
13) Acrolein	2.09	56	12962	242.34	ug/l #	57
14) Allyl chloride	2.19	41	79930	50.44	ug/l	96
15) Acrylonitrile	3.09	53	52897	270.96	ug/l #	93
16) Acetone	2.35	43	132711	207.14	ug/l	97
17) Carbon Disulfide	1.85	76	166350	54.02	ug/l	99
18) Methyl Acetate	2.46	43	48531	55.93	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	191085	54.67	ug/l	100
20) Methylene Chloride	2.28	84	58828	46.21	ug/l	90
21) trans-1,2-Dichloroethene	2.42	96	57042	52.77	ug/l	93
22) Diisopropyl ether	2.93	45	216322	54.48	ug/l	97
23) Vinyl Acetate	3.34	43	500780	294.53	ug/l	97
24) 1,1-Dichloroethane	3.00	63	136192	52.73	ug/l	98
25) 2-Butanone	4.52	43	177584	246.06	ug/l	94
26) 2,2-Dichloropropane	3.76	77	185898	51.77	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	72826	51.62	ug/l	87
28) Bromochloromethane	3.90	49	45458	51.68	ug/l #	77
29) Tetrahydrofuran	4.26	42	65566	274.80	ug/l	99
30) Chloroform	4.05	83	189008	49.95	ug/l	98
31) Cyclohexane	3.86	56	92492	52.35	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	202012	53.59	ug/l	98
36) 1,1-Dichloropropene	4.46	75	131688	51.41	ug/l	98
37) Ethyl Acetate	4.30	43	69547	53.99	ug/l	99
38) Carbon Tetrachloride	4.17	117	181790	51.62	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	111782	52.09	ug/l	94
40) Benzene	4.81	78	240120	52.61	ug/l	96
41) Methacrylonitrile	4.92	41	33443	50.19	ug/l #	90
42) 1,2-Dichloroethane	5.12	62	166870	50.59	ug/l	99
43) Isopropyl Acetate	7.11	43	79012	53.03	ug/l #	96
44) Trichloroethene	5.67	130	89868	48.62	ug/l	99
45) 1,2-Dichloropropane	6.40	63	63723	49.13	ug/l	97
46) Dibromomethane	6.25	93	59301	51.92	ug/l	93
47) Bromodichloromethane	6.55	83	159964	51.60	ug/l	100
48) Methyl methacrylate	6.87	41	63170	53.37	ug/l	92
49) 1,4-Dioxane	6.88	88	3691	212.24	ug/l #	58
51) 4-Methyl-2-Pentanone	8.40	43	329806	249.14	ug/l	99
52) Toluene	7.78	92	171893	48.63	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	140918	54.10	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	139105	51.44	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	66039	50.80	ug/l	94
56) Ethyl methacrylate	8.76	69	79109	53.23	ug/l	93
57) 1,3-Dichloropropane	8.99	76	111619	48.29	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	40196	251.51	ug/l	100
59) 2-Hexanone	9.63	43	264648	267.38	ug/l	100
60) Dibromochloromethane	8.87	129	106899	49.65	ug/l	92
61) 1,2-Dibromoethane	9.13	107	80734	51.78	ug/l	89
64) Tetrachloroethene	8.30	164	117588	53.39	ug/l	97
65) Chlorobenzene	9.94	112	225229	50.35	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	101469	51.17	ug/l	99
67) Ethyl Benzene	10.04	91	422761	50.65	ug/l	98
68) m/p-Xylenes	10.27	106	287291	102.59	ug/l	98
69) o-Xylene	10.83	106	153750	51.47	ug/l	90
70) Styrene	10.90	104	234048	51.69	ug/l	97
71) Bromoform	10.89	173	58619	51.21	ug/l #	100
73) Isopropylbenzene	11.22	105	489851	49.49	ug/l	98
74) N-amyl acetate	11.46	43	114887	57.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	84102	56.50	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	75977	48.17	ug/l	91
77) Bromobenzene	11.60	156	126277	48.71	ug/l	93
78) n-propylbenzene	11.69	91	562443	47.42	ug/l	95
79) 2-Chlorotoluene	11.81	91	361033	50.38	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	434904	49.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	12912	35.81	ug/l #	78
82) 4-Chlorotoluene	11.99	91	378819	47.64	ug/l	94
83) tert-Butylbenzene	12.22	119	408984	51.36	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	442702	49.87	ug/l	97
85) sec-Butylbenzene	12.39	105	550039	50.08	ug/l	97
86) p-Isopropyltoluene	12.53	119	497103	50.96	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	232754	49.14	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	232206	49.53	ug/l	96
89) n-Butylbenzene	12.92	91	484199	51.33	ug/l	99
90) Hexachloroethane	13.00	117	96709	48.91	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	227342	50.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	20969	55.21	ug/l	89

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93) 1,2,4-Trichlorobenzene	14.27	180	175975	50.63	ug/l	98
94) Hexachlorobutadiene	14.26	225	122699	49.53	ug/l	100
95) Naphthalene	14.52	128	282089	51.88	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	175568	53.82	ug/l	96

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

