

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059308.D
 Acq On : 25 Jun 2018 18:05
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF062518

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:04:49 AM

Quant Time: Jun 26 08:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	290098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	448047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	453693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	254740	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	182373	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	4.27	113	158067	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	7.70	98	398106	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.50	95	220188	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	110100	41.54	ug/l	94
3) Chloromethane	1.08	50	83474	46.88	ug/l	97
4) Vinyl Chloride	1.14	62	77395	44.16	ug/l	98
5) Bromomethane	1.34	94	54866	56.18	ug/l	100
6) Chloroethane	1.43	64	40675	46.08	ug/l	93
7) Trichlorofluoromethane	1.49	101	139958m	40.38	ug/l	
8) Diethyl Ether	1.69	74	44927	50.56	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79059	39.08	ug/l	95
10) Methyl Iodide	1.96	142	176592	47.87	ug/l	99
11) Tert butyl alcohol	2.68	59	63982	256.42	ug/l	97
12) 1,1-Dichloroethene	1.85	96	80806	47.25	ug/l	86
13) Acrolein	2.08	56	31042	261.82	ug/l	92
14) Allyl chloride	2.19	41	160673	50.05	ug/l	89
15) Acrylonitrile	3.07	53	136710	311.13	ug/l	92
16) Acetone	2.32	43	242848	259.84	ug/l	96
17) Carbon Disulfide	1.86	76	184584	45.88	ug/l	99
18) Methyl Acetate	2.44	43	98060	58.16	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	316527	49.62	ug/l	94
20) Methylene Chloride	2.26	84	97410m	45.71	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	91259	50.02	ug/l	88
22) Diisopropyl ether	2.91	45	375287	52.79	ug/l	99
23) Vinyl Acetate	3.32	43	1257356	277.70	ug/l	100
24) 1,1-Dichloroethane	2.99	63	210705	47.80	ug/l	99
25) 2-Butanone	4.49	43	322686	284.99	ug/l	95
26) 2,2-Dichloropropane	3.74	77	140445	46.19	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	141323	51.02	ug/l	85
28) Bromochloromethane	3.87	49	85019	50.25	ug/l	97
29) Tetrahydrofuran	4.24	42	151404	316.42	ug/l	97
30) Chloroform	4.02	83	306516	48.03	ug/l	99
31) Cyclohexane	3.85	56	128382	44.46	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	205906	44.09	ug/l	98
36) 1,1-Dichloropropene	4.44	75	176411	45.07	ug/l	99
37) Ethyl Acetate	4.27	43	144598	57.99	ug/l #	77
38) Carbon Tetrachloride	4.16	117	210458	42.61	ug/l	97

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39) Methylcyclohexane	5.61	83	149857	43.21	ug/l	97
40) Benzene	4.80	78	434597	50.08	ug/l	98
41) Methacrylonitrile	4.91	41	72554	54.34	ug/l	90
42) 1,2-Dichloroethane	5.10	62	243276	47.97	ug/l	98
43) Isopropyl Acetate	7.09	43	192686	59.10	ug/l #	95
44) Trichloroethene	5.66	130	136655	45.90	ug/l	95
45) 1,2-Dichloropropane	6.38	63	129571	52.26	ug/l	95
46) Dibromomethane	6.24	93	110515	51.35	ug/l	97
47) Bromodichloromethane	6.53	83	259849	49.88	ug/l	95
48) Methyl methacrylate	6.86	41	120591	55.19	ug/l	91
49) 1,4-Dioxane	6.85	88	15576	1350.94	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	664667	275.19	ug/l	100
52) Toluene	7.76	92	295587	45.52	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	236724	49.85	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	263529	51.09	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	134851	53.48	ug/l	93
56) Ethyl methacrylate	8.74	69	170482	54.58	ug/l	98
57) 1,3-Dichloropropane	8.99	76	218130	50.44	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	48288	206.14	ug/l	100
59) 2-Hexanone	9.62	43	556227	310.64	ug/l	95
60) Dibromochloromethane	8.85	129	201418	51.75	ug/l	92
61) 1,2-Dibromoethane	9.12	107	159075	52.02	ug/l	99
64) Tetrachloroethene	8.29	164	133546	45.38	ug/l	97
65) Chlorobenzene	9.92	112	398762	47.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	170143	46.79	ug/l	98
67) Ethyl Benzene	10.02	91	653591	45.83	ug/l	95
68) m/p-Xylenes	10.25	106	470875	92.76	ug/l	99
69) o-Xylene	10.82	106	273599	48.19	ug/l	93
70) Styrene	10.89	104	415139	48.00	ug/l	98
71) Bromoform	10.88	173	134796	54.09	ug/l	99
73) Isopropylbenzene	11.21	105	744544	50.17	ug/l	99
74) N-amyl acetate	11.45	43	356400	66.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	210427	56.14	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	157017	55.54	ug/l	99
77) Bromobenzene	11.58	156	218624	53.10	ug/l	97
78) n-propylbenzene	11.68	91	852868	47.85	ug/l	99
79) 2-Chlorotoluene	11.81	91	531188	48.78	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	625190	48.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	90589	53.83	ug/l	95
82) 4-Chlorotoluene	11.97	91	580249	49.75	ug/l	94
83) tert-Butylbenzene	12.20	119	630679	48.51	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	666646	48.69	ug/l	98
85) sec-Butylbenzene	12.38	105	795890	46.18	ug/l	100
86) p-Isopropyltoluene	12.53	119	691043	47.78	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	376180	55.88	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	362227	49.26	ug/l	100
89) n-Butylbenzene	12.91	91	687434	46.82	ug/l	100
90) Hexachloroethane	12.99	117	167790	46.55	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	366981	49.10	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	47388	57.04	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	287920	52.09	ug/l	98
94) Hexachlorobutadiene	14.25	225	143914	46.62	ug/l	97
95) Naphthalene	14.52	128	682684	59.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	294417	56.23	ug/l	98

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

