

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059535.D
 Acq On : 19 Jul 2018 1:50
 Operator : VA/AP
 Sample : J3982-04MSD
 Misc : 12.30g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-05-0-2MSD

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:57 AM

Quant Time: Jul 19 06:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	223000	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	324521	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	325049	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	182391	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	207200	59.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.48%	
35) Dibromofluoromethane	4.29	113	157606	56.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.16%	
50) Toluene-d8	7.70	98	346265	48.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.50	95	192420	51.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	142660	52.21	ug/l	97
3) Chloromethane	1.09	50	72718	48.37	ug/l	91
4) Vinyl Chloride	1.15	62	82041	54.09	ug/l	98
5) Bromomethane	1.34	94	63166	60.09	ug/l	94
6) Chloroethane	1.42	64	44597	58.31	ug/l	95
7) Trichlorofluoromethane	1.49	101	183008m	49.30	ug/l	
8) Diethyl Ether	1.70	74	40998	57.39	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	93382	59.56	ug/l	93
10) Methyl Iodide	1.96	142	173958	63.38	ug/l	97
11) Tert butyl alcohol	2.68	59	52830	367.71	ug/l	95
12) 1,1-Dichloroethene	1.85	96	81926	49.14	ug/l	93
13) Acrolein	2.08	56	10009	138.88	ug/l	98
14) Allyl chloride	2.19	41	150670	72.41	ug/l	97
15) Acrylonitrile	3.06	53	92092	316.49	ug/l	92
16) Acetone	2.33	43	245705	502.12	ug/l	98
17) Carbon Disulfide	1.86	76	198656	46.50	ug/l #	93
18) Methyl Acetate	2.44	43	128208m	125.59	ug/l	
19) Methyl tert-butyl Ether	2.53	73	298530	57.08	ug/l	100
20) Methylene Chloride	2.28	84	87600	56.59	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	82108	53.26	ug/l	98
22) Diisopropyl ether	2.92	45	308902	52.82	ug/l	94
23) Vinyl Acetate	3.32	43	399876	117.02	ug/l	98
24) 1,1-Dichloroethane	2.99	63	200101	55.41	ug/l	99
25) 2-Butanone	4.50	43	244812	304.03	ug/l	98
26) 2,2-Dichloropropane	3.74	77	130922	54.80	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	110017	61.32	ug/l	92
28) Bromochloromethane	3.87	49	87891	55.29	ug/l #	93
29) Tetrahydrofuran	4.24	42	108999	340.37	ug/l	97
30) Chloroform	4.03	83	291973	55.97	ug/l	99
31) Cyclohexane	3.85	56	96768	51.73	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	231475	68.28	ug/l	97
36) 1,1-Dichloropropene	4.44	75	164917	50.77	ug/l	96
37) Ethyl Acetate	4.28	43	95917	55.45	ug/l #	26
38) Carbon Tetrachloride	4.16	117	231446	62.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	90719	36.80	ug/l	94
40) Benzene	4.80	78	289395	45.92	ug/l	96
41) Methacrylonitrile	4.91	41	53168	57.08	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	248128	59.95	ug/l	99
43) Isopropyl Acetate	7.11	43	96407	41.30	ug/l	98
44) Trichloroethene	5.67	130	121384	52.04	ug/l	99
45) 1,2-Dichloropropane	6.40	63	93870	53.67	ug/l	100
46) Dibromomethane	6.24	93	94008	59.02	ug/l	89
47) Bromodichloromethane	6.53	83	229975	56.09	ug/l	98
48) Methyl methacrylate	6.87	41	103221	61.92	ug/l	97
49) 1,4-Dioxane	6.85	88	13784	2074.96	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	507588	306.79	ug/l	99
52) Toluene	7.77	92	242959	53.16	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	201854	53.52	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	201383	53.63	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	110746	62.54	ug/l	96
56) Ethyl methacrylate	8.75	69	105908	48.23	ug/l	98
57) 1,3-Dichloropropane	8.99	76	187964	60.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	51048	263.30	ug/l	100
59) 2-Hexanone	9.62	43	409209	327.26	ug/l	96
60) Dibromochloromethane	8.85	129	178315	59.75	ug/l	100
61) 1,2-Dibromoethane	9.13	107	130839	59.55	ug/l	93
64) Tetrachloroethene	8.30	164	130542	53.93	ug/l	95
65) Chlorobenzene	9.93	112	318200	52.20	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	146032	52.59	ug/l	95
67) Ethyl Benzene	10.03	91	510609	47.06	ug/l	100
68) m/p-Xylenes	10.26	106	362821	94.73	ug/l	99
69) o-Xylene	10.82	106	217367	53.30	ug/l	96
70) Styrene	10.89	104	315021	50.25	ug/l	98
71) Bromoform	10.88	173	119004	61.70	ug/l	98
73) Isopropylbenzene	11.22	105	579000	50.31	ug/l	99
74) N-amyl acetate	11.45	43	158619	43.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	163553	65.15	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	137786	67.22	ug/l	95
77) Bromobenzene	11.59	156	173396	53.75	ug/l	95
78) n-propylbenzene	11.68	91	619314	46.91	ug/l	97
79) 2-Chlorotoluene	11.81	91	420225	51.68	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	460190	47.72	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	57563m	61.47	ug/l	
82) 4-Chlorotoluene	11.98	91	448992	49.28	ug/l	92
83) tert-Butylbenzene	12.21	119	422169	45.61	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	478757	48.25	ug/l	95
85) sec-Butylbenzene	12.38	105	490248	41.65	ug/l	98
86) p-Isopropyltoluene	12.54	119	435121	42.49	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	278826	50.38	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	279068	51.17	ug/l	99
89) n-Butylbenzene	12.91	91	364383	38.02	ug/l	95
90) Hexachloroethane	12.99	117	111912	48.10	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	277772	52.48	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	37407	65.78	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	153541	47.74	ug/l	98
94) Hexachlorobutadiene	14.25	225	47854	29.04	ug/l	97
95) Naphthalene	14.52	128	410961	61.51	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	149522	51.45	ug/l	97

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

