

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060883.D
 Acq On : 29 Nov 2018 23:02
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:21 PM

Quant Time: Nov 30 06:49:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	172930	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	303216	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	293409	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	146787	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	116358	57.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	4.11	113	116648	48.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.56	98	343739	48.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.42	95	162099	50.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	131318	50.787	ug/l	96
3) Chloromethane	1.10	50	92731	55.114	ug/l	99
4) Vinyl Chloride	1.14	62	98213	62.579	ug/l	97
5) Bromomethane	1.31	94	54402	49.159	ug/l	84
6) Chloroethane	1.37	64	33066	48.740	ug/l	90
7) Trichlorofluoromethane	1.49	101	170298	50.573	ug/l	90
8) Diethyl Ether	1.62	74	26960	55.677	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.81	101	89777	52.737	ug/l	95
10) Methyl Iodide	1.88	142	135650	52.423	ug/l	96
11) Tert butyl alcohol	2.58	59	30086	360.274	ug/l #	89
12) 1,1-Dichloroethene	1.77	96	66280	48.405	ug/l	88
13) Acrolein	2.00	56	6494	82.076	ug/l	83
14) Allyl chloride	2.09	41	116883	68.486	ug/l	97
15) Acrylonitrile	2.95	53	67095	358.376	ug/l #	88
16) Acetone	2.24	43	156764	417.296	ug/l	97
17) Carbon Disulfide	1.83	76	201120	54.780	ug/l #	94
18) Methyl Acetate	2.34	43	54669	87.997	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	179077	58.067	ug/l	96
20) Methylene Chloride	2.23	84	79868m	57.953	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	82635	62.598	ug/l	94
22) Diisopropyl ether	2.80	45	260612	56.099	ug/l	94
23) Vinyl Acetate	3.18	43	542489	255.466	ug/l	97
24) 1,1-Dichloroethane	2.87	63	161429	58.406	ug/l	99
25) 2-Butanone	4.34	43	212111	326.439	ug/l	98
26) 2,2-Dichloropropane	3.60	77	91347	50.978	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	205138	95.452	ug/l	91
28) Bromochloromethane	3.71	49	76571	57.725	ug/l	97
29) Tetrahydrofuran	4.07	42	92106	334.410	ug/l	98
30) Chloroform	3.86	83	230891	54.278	ug/l	96
31) Cyclohexane	3.69	56	153326	53.453	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	171800	58.235	ug/l	96
36) 1,1-Dichloropropene	4.28	75	161789	48.106	ug/l	95
37) Ethyl Acetate	4.12	43	83225	60.895	ug/l #	81
38) Carbon Tetrachloride	3.99	117	140493	47.296	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	149680	42.468	ug/l	95
40) Benzene	4.63	78	361353	48.635	ug/l	97
41) Methacrylonitrile	4.74	41	45126	64.931	ug/l	95
42) 1,2-Dichloroethane	4.95	62	148413	54.714	ug/l	100
43) Isopropyl Acetate	6.96	43	104882	62.900	ug/l #	88
44) Trichloroethene	5.51	130	328137	135.073	ug/l	98
45) 1,2-Dichloropropane	6.24	63	108279	56.113	ug/l	94
46) Dibromomethane	6.09	93	73477	56.132	ug/l	98
47) Bromodichloromethane	6.39	83	181954	52.335	ug/l	98
48) Methyl methacrylate	6.72	41	73996	59.814	ug/l	94
49) 1,4-Dioxane	6.70	88	11753	1298.101	ug/l	97
51) 4-Methyl-2-Pentanone	8.26	43	382425	303.435	ug/l	97
52) Toluene	7.63	92	259987	49.816	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	147791	52.260	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	180329	51.508	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	87013	57.218	ug/l	97
56) Ethyl methacrylate	8.63	69	99343	58.806	ug/l	98
57) 1,3-Dichloropropane	8.86	76	156506	58.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	46192	267.325	ug/l	99
59) 2-Hexanone	9.50	43	288304	326.065	ug/l	97
60) Dibromochloromethane	8.73	129	120283	53.086	ug/l	97
61) 1,2-Dibromoethane	8.99	107	95195	57.946	ug/l	95
64) Tetrachloroethene	8.16	164	207314	92.507	ug/l	97
65) Chlorobenzene	9.80	112	292049	51.165	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	118990	48.491	ug/l	97
67) Ethyl Benzene	9.91	91	518933	48.834	ug/l	95
68) m/p-Xylenes	10.14	106	349264	91.385	ug/l	98
69) o-Xylene	10.72	106	211855	50.269	ug/l	93
70) Styrene	10.80	104	286850	49.100	ug/l	98
71) Bromoform	10.78	173	64302	54.251	ug/l	98
73) Isopropylbenzene	11.13	105	600018	51.726	ug/l	94
74) N-amyl acetate	11.38	43	160764	60.018	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	121048	63.406	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	85907	61.908	ug/l	99
77) Bromobenzene	11.50	156	131599	51.747	ug/l	78
78) n-propylbenzene	11.60	91	679931	50.052	ug/l	100
79) 2-Chlorotoluene	11.72	91	404246	51.899	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	461551	49.013	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	39557m	58.181	ug/l	
82) 4-Chlorotoluene	11.90	91	410973	50.136	ug/l	99
83) tert-Butylbenzene	12.14	119	463882	48.359	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	467246	49.716	ug/l	100
85) sec-Butylbenzene	12.31	105	621711	47.345	ug/l	100
86) p-Isopropyltoluene	12.46	119	509272	46.258	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	232126	47.985	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	231248	49.053	ug/l	99
89) n-Butylbenzene	12.85	91	486323	43.686	ug/l	97
90) Hexachloroethane	12.92	117	128329	48.406	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	235897	51.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24256	65.717	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	158790	49.608	ug/l	98
94) Hexachlorobutadiene	14.19	225	70573	33.074	ug/l	98
95) Naphthalene	14.46	128	347787	56.430	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	151761	51.063	ug/l	99

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

