

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060884.D
 Acq On : 29 Nov 2018 23:30
 Operator : VA/AP
 Sample : J6139-03MSD
 Misc : 7.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:24 PM

Quant Time: Nov 30 06:51:49 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	171194	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	293997	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.79	117	282740	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	149826	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	125304	62.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	124.26%	
35) Dibromofluoromethane	4.11	113	121684	52.17	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	7.56	98	361798	52.66	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.41	95	164165	52.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	131492	51.370	ug/l	98
3) Chloromethane	1.11	50	86214	51.760	ug/l	95
4) Vinyl Chloride	1.15	62	174656	112.415	ug/l	95
5) Bromomethane	1.33	94	57946	52.892	ug/l	96
6) Chloroethane	1.38	64	37241	55.451	ug/l	95
7) Trichlorofluoromethane	1.49	101	185196	55.555	ug/l	92
8) Diethyl Ether	1.63	74	28926	60.343	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	92163	54.687	ug/l	97
10) Methyl Iodide	1.91	142	118154	46.125	ug/l	95
11) Tert butyl alcohol	2.57	59	25206	304.897	ug/l	97
12) 1,1-Dichloroethene	1.80	96	75555	55.739	ug/l	91
13) Acrolein	2.00	56	14116	180.218	ug/l	88
14) Allyl chloride	2.09	41	93459	55.316	ug/l	96
15) Acrylonitrile	2.94	53	63650	343.422	ug/l	100
16) Acetone	2.24	43	154448	415.300	ug/l #	93
17) Carbon Disulfide	1.84	76	197456	54.328	ug/l	99
18) Methyl Acetate	2.35	43	50103	81.338	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	184728	60.506	ug/l	97
20) Methylene Chloride	2.18	84	81790m	59.949	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	162288	124.184	ug/l	96
22) Diisopropyl ether	2.80	45	277961	60.441	ug/l	95
23) Vinyl Acetate	3.19	43	570005	271.146	ug/l	98
24) 1,1-Dichloroethane	2.87	63	157629	57.609	ug/l	99
25) 2-Butanone	4.34	43	210821	327.744	ug/l	99
26) 2,2-Dichloropropane	3.60	77	87440	49.293	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	738192	346.970	ug/l	96
28) Bromochloromethane	3.72	49	76806	58.490	ug/l	89
29) Tetrahydrofuran	4.08	42	88456	324.414	ug/l	98
30) Chloroform	3.87	83	243746	57.881	ug/l	98
31) Cyclohexane	3.69	56	155673	54.821	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	147302	50.437	ug/l	97
36) 1,1-Dichloropropene	4.28	75	172138	52.788	ug/l	96
37) Ethyl Acetate	4.11	43	80363	60.644	ug/l	94
38) Carbon Tetrachloride	4.00	117	140375	48.738	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	167557	49.031	ug/l	97
40) Benzene	4.64	78	376869	52.314	ug/l	99
41) Methacrylonitrile	4.76	41	47046	70.132	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	143130	54.421	ug/l	95
43) Isopropyl Acetate	6.97	43	102965	63.722	ug/l #	95
44) Trichloroethene	5.51	130	716848	304.332	ug/l	98
45) 1,2-Dichloropropane	6.24	63	103791	55.474	ug/l	99
46) Dibromomethane	6.10	93	75918	59.815	ug/l	97
47) Bromodichloromethane	6.39	83	180618	53.580	ug/l	100
48) Methyl methacrylate	6.72	41	70396	58.688	ug/l	99
49) 1,4-Dioxane	6.71	88	9660	1100.389	ug/l #	90
51) 4-Methyl-2-Pentanone	8.26	43	375540	307.316	ug/l	98
52) Toluene	7.64	92	258101	51.006	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	147243	53.699	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	178398	52.554	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	79851	54.155	ug/l	96
56) Ethyl methacrylate	8.62	69	99514	60.755	ug/l	97
57) 1,3-Dichloropropane	8.86	76	148924	57.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	43870	261.848	ug/l	93
59) 2-Hexanone	9.50	43	280247	326.892	ug/l	98
60) Dibromochloromethane	8.72	129	123720	56.315	ug/l	99
61) 1,2-Dibromoethane	9.00	107	92020	57.770	ug/l	98
64) Tetrachloroethene	8.16	164	143294	66.353	ug/l	100
65) Chlorobenzene	9.81	112	287712	52.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	124203	52.526	ug/l	91
67) Ethyl Benzene	9.91	91	515579	50.349	ug/l	100
68) m/p-Xylenes	10.14	106	355202	96.445	ug/l	97
69) o-Xylene	10.71	106	206188	50.770	ug/l	91
70) Styrene	10.79	104	284864	50.600	ug/l	97
71) Bromoform	10.78	173	65196	57.081	ug/l	95
73) Isopropylbenzene	11.13	105	610063	51.525	ug/l	96
74) N-amyl acetate	11.37	43	159815	58.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	118948	61.042	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	88094	62.197	ug/l	94
77) Bromobenzene	11.50	156	131596	50.696	ug/l	89
78) n-propylbenzene	11.60	91	676476	48.788	ug/l	95
79) 2-Chlorotoluene	11.72	91	415781	52.297	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	470847	48.986	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	35927m	51.770	ug/l	
82) 4-Chlorotoluene	11.91	91	414300	49.517	ug/l	96
83) tert-Butylbenzene	12.13	119	469827	47.986	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	457923	47.735	ug/l	97
85) sec-Butylbenzene	12.31	105	658691	49.144	ug/l	99
86) p-Isopropyltoluene	12.46	119	536213	47.717	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	238957	48.395	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	248034	51.547	ug/l	98
89) n-Butylbenzene	12.84	91	525342	46.234	ug/l	98
90) Hexachloroethane	12.92	117	138669	51.246	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	235089	50.277	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22527	59.794	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	160684	49.182	ug/l	98
94) Hexachlorobutadiene	14.20	225	92309	42.384	ug/l	97
95) Naphthalene	14.46	128	367400	58.535	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	160124	52.784	ug/l	97

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

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