

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060948.D
 Acq On : 8 Dec 2018 00:22
 Operator : VA/AP
 Sample : J6265-03MSD
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:38:51 PM

Quant Time: Dec 08 04:22:20 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	4.86	168	138611	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	247027	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	231927	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	110098	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	108583	66.50	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	133.00%	
35) Dibromofluoromethane	4.10	113	106065	54.12	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	7.54	98	291852	50.56	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.40	95	137362m	52.36	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	102761	49.583	ug/l	98
3) Chloromethane	1.10	50	64756	48.016	ug/l	96
4) Vinyl Chloride	1.14	62	60867	48.385	ug/l	99
5) Bromomethane	1.33	94	49516	55.822	ug/l	92
6) Chloroethane	1.39	64	32408	59.598	ug/l	92
7) Trichlorofluoromethane	1.48	101	157072m	58.195	ug/l	
8) Diethyl Ether	1.63	74	22108	56.961	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	75945	55.657	ug/l	91
10) Methyl Iodide	1.92	142	118396m	57.084	ug/l	
11) Tert butyl alcohol	2.56	59	23367	349.095	ug/l	98
12) 1,1-Dichloroethene	1.80	96	59418	54.138	ug/l	93
13) Acrolein	1.98	56	11601	182.925	ug/l	99
14) Allyl chloride	2.08	41	56679	41.433	ug/l	95
15) Acrylonitrile	2.93	53	49931	332.729	ug/l	99
16) Acetone	2.23	43	93030	308.953	ug/l	99
17) Carbon Disulfide	1.84	76	144231m	49.012	ug/l	
18) Methyl Acetate	2.34	43	45625	91.693	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	150037	60.696	ug/l	95
20) Methylene Chloride	2.26	84	64427m	58.323	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	53655m	50.709	ug/l	
22) Diisopropyl ether	2.78	45	234642	63.015	ug/l	99
23) Vinyl Acetate	3.18	43	494952	290.789	ug/l	98
24) 1,1-Dichloroethane	2.85	63	123806	55.884	ug/l	98
25) 2-Butanone	4.31	43	154311	296.285	ug/l	93
26) 2,2-Dichloropropane	3.58	77	71903	50.062	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	98696	57.295	ug/l	96
28) Bromochloromethane	3.70	49	61852	58.174	ug/l	96
29) Tetrahydrofuran	4.06	42	70545	319.543	ug/l	97
30) Chloroform	3.84	83	194960	57.179	ug/l	99
31) Cyclohexane	3.68	56	114280m	49.705	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	110121	46.569	ug/l	95
36) 1,1-Dichloropropene	4.26	75	140202	51.170	ug/l	95
37) Ethyl Acetate	4.09	43	67732	60.831	ug/l #	97
38) Carbon Tetrachloride	3.97	117	107769	44.532	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	122020	42.495	ug/l	98
40) Benzene	4.61	78	296569	48.995	ug/l	97
41) Methacrylonitrile	4.73	41	38853	68.860	ug/l #	89
42) 1,2-Dichloroethane	4.92	62	135547	61.338	ug/l	94
43) Isopropyl Acetate	6.95	43	81827	60.114	ug/l #	93
44) Trichloroethene	5.49	130	96760	48.889	ug/l	95
45) 1,2-Dichloropropane	6.22	63	78830	50.144	ug/l	97
46) Dibromomethane	6.07	93	62581	58.682	ug/l	98
47) Bromodichloromethane	6.36	83	162507	57.373	ug/l	99
48) Methyl methacrylate	6.70	41	58176	57.722	ug/l	90
49) 1,4-Dioxane	6.69	88	8439	1144.086	ug/l #	86
51) 4-Methyl-2-Pentanone	8.24	43	315715	307.484	ug/l	99
52) Toluene	7.61	92	189533	44.577	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	121163	52.589	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	157352	55.168	ug/l	100
55) 1,1,2-Trichloroethane	8.48	97	71011	57.317	ug/l	97
56) Ethyl methacrylate	8.60	69	77549	56.347	ug/l	97
57) 1,3-Dichloropropane	8.84	76	125815	58.045	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.28	63	55411	393.619	ug/l	99
59) 2-Hexanone	9.47	43	206890	287.211	ug/l	95
60) Dibromochloromethane	8.70	129	100350	54.362	ug/l	97
61) 1,2-Dibromoethane	8.97	107	74561	55.710	ug/l	93
64) Tetrachloroethene	8.14	164	83599	47.192	ug/l	96
65) Chlorobenzene	9.78	112	236273	52.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	100424	51.774	ug/l	94
67) Ethyl Benzene	9.89	91	408258	48.604	ug/l	97
68) m/p-Xylenes	10.11	106	294185	97.378	ug/l	96
69) o-Xylene	10.69	106	161023	48.336	ug/l	86
70) Styrene	10.77	104	210914	45.673	ug/l	95
71) Bromoform	10.75	173	53235	56.820	ug/l #	93
73) Isopropylbenzene	11.11	105	476665	54.786	ug/l	99
74) N-amyl acetate	11.36	43	117616m	58.542	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.68	83	109267	76.308	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	69973m	67.229	ug/l	
77) Bromobenzene	11.48	156	98913	51.855	ug/l	86
78) n-propylbenzene	11.58	91	520196	51.055	ug/l	99
79) 2-Chlorotoluene	11.71	91	324032	55.464	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	383045	54.231	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	31225m	61.230	ug/l	
82) 4-Chlorotoluene	11.89	91	331109	53.854	ug/l	96
83) tert-Butylbenzene	12.12	119	382552	53.170	ug/l	94
84) 1,2,4-Trimethylbenzene	12.19	105	363526	51.569	ug/l	99
85) sec-Butylbenzene	12.29	105	474926	48.219	ug/l	99
86) p-Isopropyltoluene	12.45	119	397148	48.095	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	179787m	49.551	ug/l	
88) 1,4-Dichlorobenzene	12.55	146	178492	50.479	ug/l	95
89) n-Butylbenzene	12.84	91	375503	44.972	ug/l	98
90) Hexachloroethane	12.90	117	99854	50.217	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	180450	52.517	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18276	66.015	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	117468	48.928	ug/l	99
94) Hexachlorobutadiene	14.18	225	59196	36.987	ug/l	97
95) Naphthalene	14.44	128	266979	57.843	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	114887	51.537	ug/l	99

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

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