

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006206.D
 Acq On : 19 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5565-06MSD
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MSD

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:54:30 PM

Quant Time: Oct 19 08:24:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	65795	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80818	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	7.88	113	79056	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	263048	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
62) 4-Bromofluorobenzene	12.62	95	70427	31.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	52573	60.07	ug/l	96
3) Chloromethane	2.21	50	61963	55.00	ug/l	98
4) Vinyl Chloride	2.37	62	95654	59.45	ug/l	99
5) Bromomethane	2.78	94	54300	37.11	ug/l	99
6) Chloroethane	2.93	64	67548	58.58	ug/l	99
7) Trichlorofluoromethane	3.26	101	73907	49.31	ug/l	99
8) Diethyl Ether	3.68	74	51670	64.87	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81047	51.60	ug/l	98
10) Methyl Iodide	4.27	142	62521	23.91	ug/l	99
11) Tert butyl alcohol	5.22	59	27052	274.32	ug/l	99
12) 1,1-Dichloroethene	4.03	96	85989	58.19	ug/l	99
14) Allyl chloride	4.67	41	81165	38.41	ug/l	100
15) Acrylonitrile	5.37	53	75393	263.88	ug/l	100
16) Acetone	4.14	43	73862	269.67	ug/l	99
17) Carbon Disulfide	4.38	76	118715	26.62	ug/l	99
18) Methyl Acetate	4.68	43	90151	122.17	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	144758	64.32	ug/l	94
20) Methylene Chloride	4.91	84	102987	66.93	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	96134	58.28	ug/l	99
22) Diisopropyl ether	6.32	45	256557	61.44	ug/l	96
23) Vinyl Acetate	6.32	43	135358	54.93	ug/l	# 72
24) 1,1-Dichloroethane	6.21	63	167330	62.11	ug/l	99
25) 2-Butanone	7.18	43	102267	258.17	ug/l	99
26) 2,2-Dichloropropane	7.17	77	81038	42.65	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	108558	59.64	ug/l	97
28) Bromochloromethane	7.51	49	67592	64.98	ug/l	96
29) Tetrahydrofuran	7.54	42	76185	312.90	ug/l	98
30) Chloroform	7.68	83	180724	61.57	ug/l	98
31) Cyclohexane	7.95	56	103237	38.48	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	140786	53.17	ug/l	99
36) 1,1-Dichloropropene	8.08	75	121602	50.56	ug/l	99
37) Ethyl Acetate	7.26	43	4127m	4.62	ug/l	
38) Carbon Tetrachloride	8.07	117	111519	42.30	ug/l	97
39) Methylcyclohexane	9.34	83	83850	26.23	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	370201	56.12	ug/l	99
41) Methacrylonitrile	7.49	41	23485	43.60	ug/l	95
42) 1,2-Dichloroethane	8.40	62	117483	60.61	ug/l	100
43) Isopropyl Acetate	8.43	43	19015	10.41	ug/l #	61
44) Trichloroethene	9.09	130	104923	51.84	ug/l	99
45) 1,2-Dichloropropane	9.37	63	88409	56.00	ug/l	99
46) Dibromomethane	9.46	93	55701	61.91	ug/l	99
47) Bromodichloromethane	9.65	83	102976	47.21	ug/l	99
48) Methyl methacrylate	9.44	41	52669	60.82	ug/l	99
49) 1,4-Dioxane	9.47	88	16477	1189.56	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	259719	283.72	ug/l	98
52) Toluene	10.39	92	219408	49.61	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	83789	38.55	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	86491	34.67	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	70026	55.62	ug/l	99
56) Ethyl methacrylate	10.65	69	7482	4.85	ug/l #	75
57) 1,3-Dichloropropane	10.93	76	117123	56.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111901	189.72	ug/l	99
59) 2-Hexanone	10.97	43	151030	231.13	ug/l	98
60) Dibromochloromethane	11.13	129	66103	42.15	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64199	51.03	ug/l	99
64) Tetrachloroethene	10.87	164	74996	49.34	ug/l	98
65) Chlorobenzene	11.66	112	218909	52.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	83102	55.79	ug/l	99
67) Ethyl Benzene	11.74	91	364612	50.19	ug/l	98
68) m/p-Xylenes	11.84	106	274817	95.71	ug/l	99
69) o-Xylene	12.17	106	135704	49.59	ug/l	99
70) Styrene	12.18	104	176821	39.74	ug/l	97
71) Bromoform	12.35	173	36612	44.06	ug/l #	100
73) Isopropylbenzene	12.47	105	305716	65.77	ug/l	100
74) N-amyl acetate	12.27	43	1023	1.13	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.72	83	71161	100.66	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55795m	111.03	ug/l	
77) Bromobenzene	12.75	156	84194	73.95	ug/l	96
78) n-propylbenzene	12.81	91	296656	54.86	ug/l	100
79) 2-Chlorotoluene	12.90	91	185831	61.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	221981	56.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8092	38.49	ug/l #	85
82) 4-Chlorotoluene	12.99	91	187538	58.92	ug/l	100
83) tert-Butylbenzene	13.21	119	185360	52.87	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	223811	56.44	ug/l	99
85) sec-Butylbenzene	13.39	105	199819	40.34	ug/l	99
86) p-Isopropyltoluene	13.51	119	164150	36.64	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	113704	50.18	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116373	51.58	ug/l	99
89) n-Butylbenzene	13.83	91	103206	25.19	ug/l	98
90) Hexachloroethane	14.10	117	23043	30.37	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	104052	51.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9734	76.90	ug/l	100
93) 1,2,4-Trichlorobenzene	15.14	180	34907	22.45	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	13086	13.40	ug/l	96
95) Naphthalene	15.38	128	96294	37.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28856	21.45	ug/l	98

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

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