

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006205.D
 Acq On : 19 Oct 2018 06:04
 Operator : VA/AP
 Sample : J5565-05MS
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-5MS

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:54:26 PM

Quant Time: Oct 19 08:22:49 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	178537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	257798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70835	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	84493	57.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.16%	
35) Dibromofluoromethane	7.88	113	80885	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	277855	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.62	95	77579	35.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	51705m	58.52	ug/l	
3) Chloromethane	2.21	50	58978	51.86	ug/l	97
4) Vinyl Chloride	2.37	62	94026	57.89	ug/l	99
5) Bromomethane	2.79	94	56823	38.47	ug/l	100
6) Chloroethane	2.93	64	65421	56.21	ug/l	96
7) Trichlorofluoromethane	3.26	101	71724	47.41	ug/l	96
8) Diethyl Ether	3.67	74	51840	64.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80204	50.58	ug/l	98
10) Methyl Iodide	4.26	142	72803	27.59	ug/l	99
11) Tert butyl alcohol	5.21	59	27034	271.57	ug/l	99
12) 1,1-Dichloroethene	4.04	96	85839	57.54	ug/l	92
14) Allyl chloride	4.67	41	82717	38.78	ug/l	99
15) Acrylonitrile	5.37	53	78941	273.71	ug/l	98
16) Acetone	4.13	43	74081	267.83	ug/l	97
17) Carbon Disulfide	4.38	76	138558	30.78	ug/l	100
18) Methyl Acetate	4.67	43	100371	134.75	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	144233	63.48	ug/l	99
20) Methylene Chloride	4.91	84	105119	67.69	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95001	57.06	ug/l	98
22) Diisopropyl ether	6.32	45	252529	59.91	ug/l	96
23) Vinyl Acetate	6.31	43	136321	54.80	ug/l #	71
24) 1,1-Dichloroethane	6.21	63	164657	60.54	ug/l	100
25) 2-Butanone	7.18	43	107500	268.84	ug/l	98
26) 2,2-Dichloropropane	7.16	77	81857	42.67	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	107586	58.55	ug/l	97
28) Bromochloromethane	7.51	49	69109	65.82	ug/l	96
29) Tetrahydrofuran	7.54	42	76851	312.67	ug/l	98
30) Chloroform	7.68	83	176345	59.51	ug/l	98
31) Cyclohexane	7.95	56	107253	39.60	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	141297	52.86	ug/l	100
36) 1,1-Dichloropropene	8.09	75	122987	51.76	ug/l	99
37) Ethyl Acetate	7.26	43	6744	7.64	ug/l #	80
38) Carbon Tetrachloride	8.07	117	117220	45.00	ug/l	97
39) Methylcyclohexane	9.34	83	93436	29.58	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	368599	56.55	ug/l	99
41) Methacrylonitrile	7.49	41	24402	45.85	ug/l	96
42) 1,2-Dichloroethane	8.40	62	118448	61.85	ug/l	100
43) Isopropyl Acetate	8.43	43	23542	13.04	ug/l #	61
44) Trichloroethene	9.09	130	103951	51.98	ug/l	97
45) 1,2-Dichloropropane	9.37	63	88893	56.99	ug/l	99
46) Dibromomethane	9.46	93	54243	61.02	ug/l	99
47) Bromodichloromethane	9.65	83	103403	47.98	ug/l	98
48) Methyl methacrylate	9.44	41	56202	65.68	ug/l	97
49) 1,4-Dioxane	9.47	88	16207	1184.26	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	264828	292.82	ug/l	100
52) Toluene	10.39	92	220126	50.37	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	88563	41.24	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100072	40.61	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	71908	57.80	ug/l	97
56) Ethyl methacrylate	10.65	69	11596	7.60	ug/l #	74
57) 1,3-Dichloropropane	10.93	76	117859	57.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111937	192.09	ug/l	99
59) 2-Hexanone	10.97	43	155135	240.29	ug/l	98
60) Dibromochloromethane	11.13	129	68481	44.19	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65374	52.59	ug/l	100
64) Tetrachloroethene	10.87	164	76806	50.36	ug/l	99
65) Chlorobenzene	11.66	112	224283	53.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	84589	56.60	ug/l	99
67) Ethyl Benzene	11.74	91	377645	51.81	ug/l	98
68) m/p-Xylenes	11.84	106	290379	100.80	ug/l	99
69) o-Xylene	12.17	106	140208	51.07	ug/l	100
70) Styrene	12.18	104	179581	40.22	ug/l	97
71) Bromoform	12.35	173	37842	45.39	ug/l #	99
73) Isopropylbenzene	12.47	105	324896	64.92	ug/l	99
74) N-amyl acetate	12.27	43	2389	2.46	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	71084	93.39	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	56055m	103.61	ug/l	
77) Bromobenzene	12.75	156	88550	72.24	ug/l	99
78) n-propylbenzene	12.81	91	327217	56.20	ug/l	100
79) 2-Chlorotoluene	12.90	91	196799	60.16	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	238606	56.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10247	45.27	ug/l	89
82) 4-Chlorotoluene	12.99	91	204758	59.75	ug/l	100
83) tert-Butylbenzene	13.21	119	205062	54.33	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	244653	57.31	ug/l	100
85) sec-Butylbenzene	13.39	105	230637	43.25	ug/l	100
86) p-Isopropyltoluene	13.51	119	201101	41.70	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	124518	51.05	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	126804	52.21	ug/l	98
89) n-Butylbenzene	13.83	91	129750	29.42	ug/l	100
90) Hexachloroethane	14.10	117	27935	34.19	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	112448	51.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9686	71.08	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	39888	23.82	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	16777	15.95	ug/l	99
95) Naphthalene	15.38	128	105590	37.91	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	32691	22.57	ug/l	100

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

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