

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007483.D
 Acq On : 13 Dec 2018 13:00
 Operator : SY/AP
 Sample : J6357-03MSD
 Misc : 4.55G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01AMSD

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:24:33 AM

Quant Time: Dec 13 15:35:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44061	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
35) Dibromofluoromethane	7.88	113	41715	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
50) Toluene-d8	10.32	98	155830	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	12.62	95	57037	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26013	50.066	ug/l	98
3) Chloromethane	2.21	50	20828	47.864	ug/l	98
4) Vinyl Chloride	2.37	62	26228	51.361	ug/l	95
5) Bromomethane	2.78	94	18347	53.474	ug/l	99
6) Chloroethane	2.93	64	15077	53.636	ug/l	93
7) Trichlorofluoromethane	3.26	101	21133	46.031	ug/l	94
8) Diethyl Ether	3.68	74	17028	47.388	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39440	52.063	ug/l	99
10) Methyl Iodide	4.26	142	66775	53.222	ug/l	99
11) Tert butyl alcohol	5.18	59	13983	246.825	ug/l	97
12) 1,1-Dichloroethene	4.03	96	38747	53.124	ug/l	95
13) Acrolein	3.89	56	5819	155.232	ug/l	98
14) Allyl chloride	4.67	41	55005	51.162	ug/l	98
15) Acrylonitrile	5.37	53	41709	275.344	ug/l	98
16) Acetone	4.12	43	42859	297.464	ug/l	97
17) Carbon Disulfide	4.37	76	109728	49.617	ug/l	99
18) Methyl Acetate	4.67	43	33046	84.505	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	62069	56.411	ug/l	100
20) Methylene Chloride	4.91	84	42831	54.731	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	42373	51.933	ug/l	97
22) Diisopropyl ether	6.31	45	109593	53.033	ug/l	99
23) Vinyl Acetate	6.26	43	39706	34.352	ug/l	99
24) 1,1-Dichloroethane	6.21	63	74728	53.504	ug/l	99
25) 2-Butanone	7.17	43	54440	289.423	ug/l	97
26) 2,2-Dichloropropane	7.17	77	41437	44.828	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47687	53.378	ug/l	99
28) Bromochloromethane	7.51	49	25897	49.295	ug/l	99
29) Tetrahydrofuran	7.53	42	33142	278.320	ug/l	97
30) Chloroform	7.67	83	81497	53.619	ug/l	96
31) Cyclohexane	7.95	56	60960	47.572	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	70761	53.089	ug/l	98
36) 1,1-Dichloropropene	8.08	75	59785	52.228	ug/l	99
37) Ethyl Acetate	7.25	43	17797	41.801	ug/l	97
38) Carbon Tetrachloride	8.07	117	66321	53.247	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	68720	49.578	ug/l	95
40) Benzene	8.32	78	172165	54.195	ug/l	99
41) Methacrylonitrile	7.49	41	13685	56.445	ug/l	98
42) 1,2-Dichloroethane	8.40	62	54839	54.954	ug/l	100
43) Isopropyl Acetate	8.43	43	41272	49.075	ug/l	98
44) Trichloroethene	9.09	130	49095	54.120	ug/l	98
45) 1,2-Dichloropropane	9.37	63	41688	56.708	ug/l	100
46) Dibromomethane	9.46	93	23570	56.459	ug/l	97
47) Bromodichloromethane	9.65	83	61174	55.865	ug/l	95
48) Methyl methacrylate	9.44	41	27711	64.158	ug/l	98
49) 1,4-Dioxane	9.45	88	7663	1131.275	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	114275	287.578	ug/l	99
52) Toluene	10.39	92	111004	53.995	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	57763	54.335	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	65657	53.425	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33413	58.807	ug/l	97
56) Ethyl methacrylate	10.65	69	33834	49.542	ug/l	99
57) 1,3-Dichloropropane	10.93	76	55067	59.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	86414	274.389	ug/l	99
59) 2-Hexanone	10.97	43	80357	303.272	ug/l	98
60) Dibromochloromethane	11.13	129	42062	58.660	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32445	57.783	ug/l	96
64) Tetrachloroethene	10.86	164	58251	73.328	ug/l	93
65) Chlorobenzene	11.66	112	123860	53.795	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	45467	56.068	ug/l	98
67) Ethyl Benzene	11.73	91	218667	55.239	ug/l	92
68) m/p-Xylenes	11.84	106	168081	109.220	ug/l	99
69) o-Xylene	12.17	106	81409	56.642	ug/l	98
70) Styrene	12.18	104	131748	56.752	ug/l	98
71) Bromoform	12.35	173	23078	55.601	ug/l #	98
73) Isopropylbenzene	12.47	105	218691	56.037	ug/l	99
74) N-amyl acetate	12.27	43	17626	24.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	35049	60.636	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27395m	65.234	ug/l	
77) Bromobenzene	12.75	156	49479	57.198	ug/l	95
78) n-propylbenzene	12.80	91	247204	56.285	ug/l	99
79) 2-Chlorotoluene	12.90	91	147572	55.530	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	183981	56.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10470	55.074	ug/l	94
82) 4-Chlorotoluene	12.99	91	150116	53.588	ug/l	96
83) tert-Butylbenzene	13.21	119	155942	53.971	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	187026	55.425	ug/l	100
85) sec-Butylbenzene	13.39	105	208958	52.976	ug/l	95
86) p-Isopropyltoluene	13.50	119	188953	53.324	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92060	53.376	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91832	52.962	ug/l	97
89) n-Butylbenzene	13.83	91	156585	47.667	ug/l	98
90) Hexachloroethane	14.10	117	33001	52.341	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	85474	55.331	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6595	56.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	45943	43.216	ug/l	96
94) Hexachlorobutadiene	15.24	225	18678	33.113	ug/l	99
95) Naphthalene	15.37	128	111548	54.848	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41166	44.576	ug/l	95

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

