

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006287.D
 Acq On : 23 Oct 2018 08:48
 Operator : VA/AP
 Sample : J5624-03MSD
 Misc : 5.7G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MSD

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:50 PM

Quant Time: Oct 23 14:55:41 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	217811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	331880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	90259	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.88	113	96973	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.33	98	344631	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.62	95	127227	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51377	47.666	ug/l	93
3) Chloromethane	2.21	50	70295	50.665	ug/l	100
4) Vinyl Chloride	2.37	62	102930	51.948	ug/l	98
5) Bromomethane	2.79	94	88203	48.943	ug/l	100
6) Chloroethane	2.93	64	76849	54.121	ug/l	95
7) Trichlorofluoromethane	3.26	101	85655	46.405	ug/l	98
8) Diethyl Ether	3.68	74	50455	51.433	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99466	51.420	ug/l	99
10) Methyl Iodide	4.27	142	175734	54.582	ug/l	100
11) Tert butyl alcohol	5.24	59	25291	208.249	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	96509	53.030	ug/l	95
13) Acrolein	3.90	56	18546	157.818	ug/l	94
14) Allyl chloride	4.67	41	100023	38.439	ug/l	99
15) Acrylonitrile	5.38	53	91723	260.686	ug/l	99
16) Acetone	4.15	43	72572	211.967	ug/l	98
17) Carbon Disulfide	4.38	76	256685	46.734	ug/l	100
18) Methyl Acetate	4.68	43	49138	54.072	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	153695	55.448	ug/l	98
20) Methylene Chloride	4.92	84	118256	62.291	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	110396	54.346	ug/l	99
22) Diisopropyl ether	6.31	45	296077	57.578	ug/l	97
23) Vinyl Acetate	6.26	43	693737	228.601	ug/l	99
24) 1,1-Dichloroethane	6.22	63	194492	58.616	ug/l	98
25) 2-Butanone	7.18	43	113075	231.793	ug/l	96
26) 2,2-Dichloropropane	7.17	77	101177	43.234	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	128093	57.142	ug/l	98
28) Bromochloromethane	7.51	49	72802	56.833	ug/l	96
29) Tetrahydrofuran	7.54	42	74785	249.403	ug/l	98
30) Chloroform	7.68	83	211493	58.503	ug/l	100
31) Cyclohexane	7.96	56	152771	46.234	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	176643	54.169	ug/l	99
36) 1,1-Dichloropropene	8.09	75	155015	50.675	ug/l	100
37) Ethyl Acetate	7.26	43	54477	47.932	ug/l	99
38) Carbon Tetrachloride	8.07	117	163694	48.814	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	180664	44.430	ug/l	98
40) Benzene	8.33	78	455425	54.275	ug/l	98
41) Methacrylonitrile	7.49	41	34105	49.778	ug/l	98
42) 1,2-Dichloroethane	8.40	62	130956	53.120	ug/l	99
43) Isopropyl Acetate	8.43	43	110484	47.544	ug/l	99
44) Trichloroethene	9.09	130	133635	51.910	ug/l	95
45) 1,2-Dichloropropane	9.37	63	107575	53.575	ug/l	100
46) Dibromomethane	9.46	93	60456	52.827	ug/l	99
47) Bromodichloromethane	9.65	83	146159	52.677	ug/l	98
48) Methyl methacrylate	9.44	41	54360	49.350	ug/l	98
49) 1,4-Dioxane	9.49	88	15606	885.798	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	278165	238.908	ug/l	98
52) Toluene	10.39	92	296041	52.624	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	127898	46.266	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	157741	49.719	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86381	53.938	ug/l	99
56) Ethyl methacrylate	10.65	69	96638	49.222	ug/l	96
57) 1,3-Dichloropropane	10.93	76	139850	52.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	163097	217.405	ug/l	100
59) 2-Hexanone	10.98	43	184050	221.445	ug/l	97
60) Dibromochloromethane	11.13	129	102822	51.545	ug/l	100
61) 1,2-Dibromoethane	11.24	107	82266	51.410	ug/l	99
64) Tetrachloroethene	10.87	164	122450	52.582	ug/l	98
65) Chlorobenzene	11.66	112	336453	52.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	124105	54.381	ug/l	98
67) Ethyl Benzene	11.74	91	575594	51.720	ug/l	100
68) m/p-Xylenes	11.84	106	452589	102.890	ug/l	99
69) o-Xylene	12.17	106	218734	52.177	ug/l	99
70) Styrene	12.18	104	351756	51.600	ug/l	100
71) Bromoform	12.35	173	61041	47.954	ug/l #	98
73) Isopropylbenzene	12.47	105	591158	54.454	ug/l	100
74) N-amyl acetate	12.28	43	97437	46.210	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	95804	58.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71757m	61.137	ug/l	
77) Bromobenzene	12.75	156	150642	56.653	ug/l	98
78) n-propylbenzene	12.81	91	670043	53.051	ug/l	100
79) 2-Chlorotoluene	12.90	91	389099	54.831	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	488567	53.384	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	20700	42.158	ug/l	98
82) 4-Chlorotoluene	12.99	91	402429	54.136	ug/l	100
83) tert-Butylbenzene	13.21	119	433347	52.923	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	500249	54.017	ug/l	100
85) sec-Butylbenzene	13.39	105	590462	51.043	ug/l	100
86) p-Isopropyltoluene	13.51	119	534846	51.117	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	281346	53.166	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	278472	52.851	ug/l	99
89) n-Butylbenzene	13.83	91	452162	47.253	ug/l	100
90) Hexachloroethane	14.10	117	86344	48.719	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	253019	53.602	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14193	48.010	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	164781	45.369	ug/l	99
94) Hexachlorobutadiene	15.24	225	94518	41.426	ug/l	100
95) Naphthalene	15.38	128	291026	48.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	143646	45.725	ug/l	98

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

