

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006286.D
 Acq On : 23 Oct 2018 08:22
 Operator : VA/AP
 Sample : J5624-02MS
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SED-01MS

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:45 PM

Quant Time: Oct 23 08:48:19 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	204629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88850	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.88	113	91790	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.33	98	331450	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.62	95	127089	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	49488	48.871	ug/l	95
3) Chloromethane	2.21	50	60695	46.564	ug/l	95
4) Vinyl Chloride	2.37	62	95020	51.045	ug/l	97
5) Bromomethane	2.79	94	85453	50.471	ug/l	99
6) Chloroethane	2.93	64	69057	51.767	ug/l	100
7) Trichlorofluoromethane	3.26	101	73682	42.490	ug/l	96
8) Diethyl Ether	3.68	74	50242	54.515	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90423	49.756	ug/l	98
10) Methyl Iodide	4.27	142	163971	54.210	ug/l	99
11) Tert butyl alcohol	5.21	59	28014	245.530	ug/l	99
12) 1,1-Dichloroethene	4.04	96	89314	52.238	ug/l	96
13) Acrolein	3.90	56	21343	193.318	ug/l	97
14) Allyl chloride	4.67	41	99097	40.536	ug/l	99
15) Acrylonitrile	5.38	53	98403	297.687	ug/l	99
16) Acetone	4.14	43	77596	243.414	ug/l	97
17) Carbon Disulfide	4.38	76	237749	46.075	ug/l	100
18) Methyl Acetate	4.68	43	55191	64.646	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	151796	58.291	ug/l	98
20) Methylene Chloride	4.92	84	110803	62.121	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	106780	55.952	ug/l	96
22) Diisopropyl ether	6.31	45	280499	58.062	ug/l	99
23) Vinyl Acetate	6.26	43	646622	226.802	ug/l	99
24) 1,1-Dichloroethane	6.21	63	182444	58.527	ug/l	98
25) 2-Butanone	7.18	43	125058	272.871	ug/l	96
26) 2,2-Dichloropropane	7.17	77	93486	42.521	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	123333	58.563	ug/l	97
28) Bromochloromethane	7.51	49	73399	60.991	ug/l	96
29) Tetrahydrofuran	7.54	42	82315	292.199	ug/l	98
30) Chloroform	7.68	83	201607	59.361	ug/l	99
31) Cyclohexane	7.96	56	138817	44.717	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	162841	53.153	ug/l	98
36) 1,1-Dichloropropene	8.09	75	146410	50.607	ug/l	100
37) Ethyl Acetate	7.26	43	57558	53.548	ug/l	98
38) Carbon Tetrachloride	8.07	117	151066	47.632	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	165746	43.100	ug/l	98
40) Benzene	8.33	78	429532	54.125	ug/l	100
41) Methacrylonitrile	7.49	41	34269	52.886	ug/l	93
42) 1,2-Dichloroethane	8.40	62	130407	55.931	ug/l	99
43) Isopropyl Acetate	8.43	43	116294	52.915	ug/l	100
44) Trichloroethene	9.09	130	127528	52.379	ug/l	98
45) 1,2-Dichloropropane	9.37	63	104674	55.121	ug/l	99
46) Dibromomethane	9.46	93	61613	56.926	ug/l	99
47) Bromodichloromethane	9.65	83	141924	54.085	ug/l	99
48) Methyl methacrylate	9.44	41	56129	53.879	ug/l	93
49) 1,4-Dioxane	9.47	88	16793	1007.850	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	303712	275.813	ug/l	99
52) Toluene	10.39	92	284508	53.475	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	132697	50.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	154671	51.547	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86474	57.093	ug/l	97
56) Ethyl methacrylate	10.65	69	103435	55.706	ug/l	98
57) 1,3-Dichloropropane	10.94	76	141644	56.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	180048	253.768	ug/l	99
59) 2-Hexanone	10.98	43	204457	260.110	ug/l	97
60) Dibromochloromethane	11.13	129	103484	54.852	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86161	56.933	ug/l	99
64) Tetrachloroethene	10.87	164	119210	52.941	ug/l	98
65) Chlorobenzene	11.66	112	331365	53.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120291	54.512	ug/l	99
67) Ethyl Benzene	11.74	91	557877	51.843	ug/l	100
68) m/p-Xylenes	11.84	106	437197	102.790	ug/l	99
69) o-Xylene	12.17	106	213541	52.680	ug/l	99
70) Styrene	12.18	104	351758	53.365	ug/l	99
71) Bromoform	12.35	173	64413	52.334	ug/l	99
73) Isopropylbenzene	12.47	105	564168	49.971	ug/l	99
74) N-amyl acetate	12.28	43	101363	46.226	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	99812	58.127	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64650m	52.966	ug/l	
77) Bromobenzene	12.75	156	151190	54.675	ug/l	100
78) n-propylbenzene	12.81	91	645477	49.143	ug/l	100
79) 2-Chlorotoluene	12.90	91	380508	51.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	477958	50.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	22234	43.542	ug/l	99
82) 4-Chlorotoluene	12.99	91	405088	52.400	ug/l	100
83) tert-Butylbenzene	13.21	119	420655	49.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	493691	51.261	ug/l	100
85) sec-Butylbenzene	13.39	105	574007	47.715	ug/l	100
86) p-Isopropyltoluene	13.51	119	521647	47.941	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	287804	52.297	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	286900	52.359	ug/l	99
89) n-Butylbenzene	13.83	91	451082	45.329	ug/l	100
90) Hexachloroethane	14.10	117	84039	45.597	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	261373	53.245	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15927	51.806	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	178078	47.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	97831	41.231	ug/l	99
95) Naphthalene	15.38	128	328853	52.338	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	158578	48.539	ug/l	100

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

