

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007546.D
 Acq On : 14 Dec 2018 20:19
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/18/2018 4:37:14 PM

Quant Time: Dec 15 03:15:43 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	83238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	138581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61480	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	44438	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.88	113	40846	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.32	98	158666	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	60277	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	24982	42.949	ug/l	97
3) Chloromethane	2.22	50	21176	43.469	ug/l	98
4) Vinyl Chloride	2.37	62	30126	52.697	ug/l	100
5) Bromomethane	2.78	94	21094	54.917	ug/l	95
6) Chloroethane	2.93	64	17897	56.871	ug/l	100
7) Trichlorofluoromethane	3.26	101	30577	59.491	ug/l	96
8) Diethyl Ether	3.68	74	20484	50.920	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44383	52.334	ug/l	99
10) Methyl Iodide	4.26	142	73553	52.366	ug/l	99
11) Tert butyl alcohol	5.17	59	16989	267.872	ug/l	98
12) 1,1-Dichloroethene	4.03	96	42398	51.924	ug/l	98
13) Acrolein	3.88	56	9391	223.777	ug/l	99
14) Allyl chloride	4.67	41	61759	51.312	ug/l	99
15) Acrylonitrile	5.37	53	44572	262.833	ug/l	99
16) Acetone	4.12	43	44143	273.669	ug/l	95
17) Carbon Disulfide	4.37	76	125726	50.782	ug/l	99
18) Methyl Acetate	4.67	43	21845	49.899	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70046	56.865	ug/l	99
20) Methylene Chloride	4.91	84	46132	52.495	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46991	51.445	ug/l	99
22) Diisopropyl ether	6.31	45	122265	52.849	ug/l	97
23) Vinyl Acetate	6.26	43	355990	275.106	ug/l	97
24) 1,1-Dichloroethane	6.21	63	80916	51.750	ug/l	99
25) 2-Butanone	7.17	43	58204	276.400	ug/l	97
26) 2,2-Dichloropropane	7.16	77	57636	55.697	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	52372	52.364	ug/l	98
28) Bromochloromethane	7.51	49	26933	45.794	ug/l	97
29) Tetrahydrofuran	7.52	42	35317	264.923	ug/l	97
30) Chloroform	7.67	83	87944	51.684	ug/l	99
31) Cyclohexane	7.95	56	70944	49.453	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80998	54.282	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68146	53.905	ug/l	98
37) Ethyl Acetate	7.25	43	26098	55.505	ug/l	99
38) Carbon Tetrachloride	8.07	117	74404	54.091	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86432	56.462	ug/l	90
40) Benzene	8.32	78	185858	52.976	ug/l	99
41) Methacrylonitrile	7.48	41	14992	55.991	ug/l	98
42) 1,2-Dichloroethane	8.40	62	59722	54.191	ug/l	100
43) Isopropyl Acetate	8.43	43	52048	56.039	ug/l	100
44) Trichloroethene	9.09	130	55288	55.187	ug/l	99
45) 1,2-Dichloropropane	9.37	63	43880	54.048	ug/l	98
46) Dibromomethane	9.46	93	25536	55.387	ug/l	96
47) Bromodichloromethane	9.65	83	65867	54.465	ug/l	95
48) Methyl methacrylate	9.44	41	25658	53.790	ug/l	96
49) 1,4-Dioxane	9.44	88	8374	1119.395	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	130071	296.392	ug/l	98
52) Toluene	10.39	92	131820	58.060	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	67786	57.736	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74645	54.998	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35876	57.174	ug/l	96
56) Ethyl methacrylate	10.65	69	45794	60.717	ug/l	98
57) 1,3-Dichloropropane	10.93	76	60478	58.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	96287	276.842	ug/l	100
59) 2-Hexanone	10.97	43	89819	306.944	ug/l	99
60) Dibromochloromethane	11.13	129	45699	57.709	ug/l	99
61) 1,2-Dibromoethane	11.24	107	35816	57.758	ug/l	96
64) Tetrachloroethene	10.87	164	45545	51.510	ug/l	94
65) Chlorobenzene	11.66	112	140672	54.891	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	48644	53.894	ug/l	97
67) Ethyl Benzene	11.73	91	249342	56.591	ug/l	95
68) m/p-Xylenes	11.84	106	195871	114.352	ug/l	100
69) o-Xylene	12.17	106	90894	56.819	ug/l	95
70) Styrene	12.18	104	150638	58.299	ug/l	98
71) Bromoform	12.35	173	25870	55.998	ug/l #	96
73) Isopropylbenzene	12.47	105	257996	54.766	ug/l	100
74) N-amyl acetate	12.27	43	49886	58.268	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	39335	56.376	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	30564m	60.294	ug/l	
77) Bromobenzene	12.75	156	56802	54.397	ug/l	94
78) n-propylbenzene	12.81	91	299677	56.526	ug/l	99
79) 2-Chlorotoluene	12.90	91	174623	54.435	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	219214	55.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13098	57.077	ug/l	91
82) 4-Chlorotoluene	12.99	91	182273	53.904	ug/l	98
83) tert-Butylbenzene	13.21	119	195533	56.062	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	223408	54.848	ug/l	97
85) sec-Butylbenzene	13.39	105	266700	56.015	ug/l	96
86) p-Isopropyltoluene	13.51	119	238069	55.658	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	113218	54.381	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	113443	54.200	ug/l	97
89) n-Butylbenzene	13.83	91	223421	56.344	ug/l	98
90) Hexachloroethane	14.10	117	41003	53.875	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	101656	54.516	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7628	54.478	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	68912	53.700	ug/l	95
94) Hexachlorobutadiene	15.24	225	35463	52.083	ug/l	100
95) Naphthalene	15.38	128	138864	56.565	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	59860	53.698	ug/l	97

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

