

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008880.D
 Acq On : 28 Feb 2019 11:58
 Operator : SY/VA
 Sample : VW0228SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 2:56:52 PM

Quant Time: Mar 01 06:22:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135576	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
35) Dibromofluoromethane	7.88	113	130270	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.32	98	505026	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	191382	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58768	18.473	ug/l	96
3) Chloromethane	2.21	50	69900	18.050	ug/l	99
4) Vinyl Chloride	2.35	62	73590	17.948	ug/l	99
5) Bromomethane	2.76	94	72145	23.690	ug/l	98
6) Chloroethane	2.91	64	52761	18.122	ug/l	96
7) Trichlorofluoromethane	3.26	101	102981	19.859	ug/l	92
8) Diethyl Ether	3.68	74	29223	17.800	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61884	19.652	ug/l	98
10) Methyl Iodide	4.27	142	58664	14.898	ug/l	99
11) Tert butyl alcohol	5.19	59	17425	65.701	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	54285	19.520	ug/l	96
13) Acrolein	3.90	56	15582	71.074	ug/l	100
14) Allyl chloride	4.67	41	93147	19.406	ug/l	98
15) Acrylonitrile	5.37	53	57469	81.567	ug/l	98
16) Acetone	4.13	43	56773	82.218	ug/l	98
17) Carbon Disulfide	4.38	76	161052	17.454	ug/l	98
18) Methyl Acetate	4.68	43	25672	15.674	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	128895	17.124	ug/l	96
20) Methylene Chloride	4.91	84	82457	21.309	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	60823	18.907	ug/l	96
22) Diisopropyl ether	6.31	45	180681	18.871	ug/l	96
23) Vinyl Acetate	6.26	43	530483	89.672	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108248	19.510	ug/l	97
25) 2-Butanone	7.17	43	77726	80.512	ug/l	97
26) 2,2-Dichloropropane	7.17	77	100237	19.899	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	65733	19.102	ug/l	98
28) Bromochloromethane	7.51	49	44017	18.958	ug/l #	98
29) Tetrahydrofuran	7.53	42	47553	77.295	ug/l	100
30) Chloroform	7.67	83	110072	19.338	ug/l	97
31) Cyclohexane	7.95	56	110203	19.622	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	104588	20.205	ug/l	99
36) 1,1-Dichloropropene	8.08	75	89410	20.830	ug/l	99
37) Ethyl Acetate	7.25	43	31748	15.906	ug/l	97
38) Carbon Tetrachloride	8.06	117	95792	21.162	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	106262	19.847	ug/l	100
40) Benzene	8.32	78	235568	20.101	ug/l	100
41) Methacrylonitrile	7.48	41	19639	16.738	ug/l	95
42) 1,2-Dichloroethane	8.40	62	70679	19.038	ug/l	99
43) Isopropyl Acetate	8.43	43	66889	16.791	ug/l	98
44) Trichloroethene	9.09	130	69142	20.943	ug/l	90
45) 1,2-Dichloropropane	9.37	63	59173	20.432	ug/l	99
46) Dibromomethane	9.46	93	30757	19.093	ug/l	96
47) Bromodichloromethane	9.65	83	78204	19.953	ug/l	99
48) Methyl methacrylate	9.43	41	30054	15.752	ug/l	97
49) 1,4-Dioxane	9.46	88	7853	304.417	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	165482	81.820	ug/l	100
52) Toluene	10.39	92	160512	20.181	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75195	18.823	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88788	19.487	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42553	19.478	ug/l	94
56) Ethyl methacrylate	10.65	69	48440	17.067	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73690	19.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	137861	96.575	ug/l	100
59) 2-Hexanone	10.97	43	116075	80.624	ug/l	98
60) Dibromochloromethane	11.13	129	50447	18.932	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38710	17.901	ug/l	100
64) Tetrachloroethene	10.86	164	61438	20.548	ug/l	95
65) Chlorobenzene	11.66	112	178282	20.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59725	20.111	ug/l	97
67) Ethyl Benzene	11.73	91	315973	20.125	ug/l	98
68) m/p-Xylenes	11.84	106	255078	40.661	ug/l	98
69) o-Xylene	12.17	106	119451	20.287	ug/l	98
70) Styrene	12.18	104	185758	19.609	ug/l	100
71) Bromoform	12.35	173	27124	16.992	ug/l #	97
73) Isopropylbenzene	12.46	105	324160	20.902	ug/l	100
74) N-amyl acetate	12.27	43	64422	16.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46273	18.261	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	32998m	17.667	ug/l	
77) Bromobenzene	12.75	156	73754	20.125	ug/l	98
78) n-propylbenzene	12.80	91	395560	20.851	ug/l	98
79) 2-Chlorotoluene	12.89	91	220647	20.486	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	268977	19.958	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12806	16.668	ug/l	98
82) 4-Chlorotoluene	12.99	91	229516	20.222	ug/l	99
83) tert-Butylbenzene	13.21	119	247354	21.226	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	272547	19.536	ug/l	99
85) sec-Butylbenzene	13.38	105	347091	20.714	ug/l	100
86) p-Isopropyltoluene	13.50	119	309603	20.155	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	156121	20.532	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	151456	20.210	ug/l	99
89) n-Butylbenzene	13.83	91	288371	20.039	ug/l	99
90) Hexachloroethane	14.10	117	51209	20.364	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131308	19.381	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6981	15.229	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89754	18.387	ug/l	99
94) Hexachlorobutadiene	15.24	225	60347	20.988	ug/l	99
95) Naphthalene	15.37	128	134491	16.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77889	18.454	ug/l	99

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

