

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010562.D
 Acq On : 28 May 2019 12:56
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:31 AM

Quant Time: May 29 07:22:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	151573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109096	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	72660	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.88	113	78916	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	10.32	98	305948	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	115840	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	21113	15.442	ug/l	97
3) Chloromethane	2.21	50	25040	15.723	ug/l	100
4) Vinyl Chloride	2.35	62	28622	15.516	ug/l	100
5) Bromomethane	2.75	94	20865	16.442	ug/l	97
6) Chloroethane	2.90	64	21401	18.073	ug/l	95
7) Trichlorofluoromethane	3.25	101	52537	19.291	ug/l	98
8) Diethyl Ether	3.68	74	15365	17.798	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	33144	19.762	ug/l	96
10) Methyl Iodide	4.27	142	31116	16.232	ug/l	97
11) Tert butyl alcohol	5.15	59	18182	129.203	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	31087	19.417	ug/l	97
13) Acrolein	3.89	56	7273	72.890	ug/l	98
14) Allyl chloride	4.67	41	43629	18.826	ug/l	100
15) Acrylonitrile	5.37	53	29620	81.925	ug/l	98
16) Acetone	4.12	43	27103	84.870	ug/l	98
17) Carbon Disulfide	4.37	76	83662	17.519	ug/l	100
18) Methyl Acetate	4.67	43	14138	18.102	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72838	17.846	ug/l	93
20) Methylene Chloride	4.92	84	34277	14.714	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34981	19.049	ug/l	98
22) Diisopropyl ether	6.31	45	86992	18.307	ug/l	99
23) Vinyl Acetate	6.25	43	240728	84.808	ug/l	100
24) 1,1-Dichloroethane	6.21	63	55437	19.550	ug/l	99
25) 2-Butanone	7.16	43	40176	87.909	ug/l	98
26) 2,2-Dichloropropane	7.16	77	58004	21.474	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	39145	19.607	ug/l	98
28) Bromochloromethane	7.51	49	20383	20.076	ug/l	92
29) Tetrahydrofuran	7.53	42	24460	79.094	ug/l	99
30) Chloroform	7.68	83	59744	19.533	ug/l	99
31) Cyclohexane	7.95	56	54089	18.209	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	57463	19.656	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47190	20.605	ug/l	99
37) Ethyl Acetate	7.26	43	17195	17.655	ug/l	98
38) Carbon Tetrachloride	8.07	117	53465	21.640	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63484	20.689	ug/l	99
40) Benzene	8.32	78	132827	20.866	ug/l	100
41) Methacrylonitrile	7.48	41	10970	18.957	ug/l	90
42) 1,2-Dichloroethane	8.40	62	36015	19.795	ug/l	100
43) Isopropyl Acetate	8.42	43	34397	17.678	ug/l	98
44) Trichloroethene	9.09	130	40503	21.432	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30799	20.372	ug/l	98
46) Dibromomethane	9.46	93	17563	19.864	ug/l	95
47) Bromodichloromethane	9.65	83	44351	19.961	ug/l	100
48) Methyl methacrylate	9.44	41	15440	17.346	ug/l	97
49) 1,4-Dioxane	9.45	88	5065	350.684	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	83716	84.910	ug/l	99
52) Toluene	10.39	92	89723	20.988	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	43562	19.359	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	51386	19.995	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25024	19.682	ug/l	98
56) Ethyl methacrylate	10.65	69	31117	17.746	ug/l	98
57) 1,3-Dichloropropane	10.93	76	42131	19.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	67075	86.361	ug/l	98
59) 2-Hexanone	10.97	43	58769	83.560	ug/l	98
60) Dibromochloromethane	11.13	129	31750	19.731	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24842	19.288	ug/l	97
64) Tetrachloroethene	10.86	164	34364	22.468	ug/l	96
65) Chlorobenzene	11.66	112	100315	21.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37063	22.126	ug/l	99
67) Ethyl Benzene	11.73	91	173731	21.044	ug/l	99
68) m/p-Xylenes	11.84	106	139285	43.013	ug/l	98
69) o-Xylene	12.17	106	65015	21.191	ug/l	98
70) Styrene	12.18	104	109610	21.056	ug/l	99
71) Bromoform	12.35	173	17710	19.199	ug/l #	98
73) Isopropylbenzene	12.46	105	179490	20.733	ug/l	100
74) N-amyl acetate	12.27	43	32193	16.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26763	16.996	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18711m	16.896	ug/l	
77) Bromobenzene	12.75	156	41044	21.186	ug/l	95
78) n-propylbenzene	12.80	91	204461	20.266	ug/l	99
79) 2-Chlorotoluene	12.90	91	118470	20.249	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	150892	20.580	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8828	16.638	ug/l	99
82) 4-Chlorotoluene	12.99	91	123258	20.297	ug/l	99
83) tert-Butylbenzene	13.21	119	132985	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	150040	20.546	ug/l	99
85) sec-Butylbenzene	13.38	105	184091	20.539	ug/l	99
86) p-Isopropyltoluene	13.50	119	169329	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	81380	21.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	81795	21.449	ug/l	99
89) n-Butylbenzene	13.83	91	154729	20.052	ug/l	99
90) Hexachloroethane	14.10	117	31669	20.168	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	72420	20.911	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4530	15.472	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	49872	21.165	ug/l	99
94) Hexachlorobutadiene	15.24	225	28847	22.916	ug/l	99
95) Naphthalene	15.37	128	86848	17.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41698	20.566	ug/l	99

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

