

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011510.D
 Acq On : 26 Jul 2019 11:57
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:31 AM

Quant Time: Jul 27 00:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162720	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	27908	10.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.76%	
35) Dibromofluoromethane	7.88	113	22117	10.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.64%	
50) Toluene-d8	10.32	98	89939	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
62) 4-Bromofluorobenzene	12.62	95	31887	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13477	10.323	ug/l	99
3) Chloromethane	2.21	50	24220	10.699	ug/l	99
4) Vinyl Chloride	2.35	62	27926	10.246	ug/l	99
5) Bromomethane	2.77	94	15953	10.575	ug/l	83
6) Chloroethane	2.92	64	15549	9.987	ug/l	91
7) Trichlorofluoromethane	3.26	101	11524	9.461	ug/l	93
8) Diethyl Ether	3.68	74	13529	9.796	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23171	10.028	ug/l	99
10) Methyl Iodide	4.27	142	30901	9.463	ug/l	98
11) Tert butyl alcohol	5.16	59	11437	50.646	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	23815	9.762	ug/l	91
13) Acrolein	3.90	56	10131	52.490	ug/l	96
14) Allyl chloride	4.67	41	49961	9.628	ug/l	99
15) Acrylonitrile	5.36	53	32421	47.028	ug/l	98
16) Acetone	4.12	43	39147	45.751	ug/l	92
17) Carbon Disulfide	4.38	76	72839	9.539	ug/l	98
18) Methyl Acetate	4.67	43	17409	9.057	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	37467	9.678	ug/l	92
20) Methylene Chloride	4.92	84	31142	10.553	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	25523	9.704	ug/l	98
22) Diisopropyl ether	6.31	45	94005	9.609	ug/l	94
23) Vinyl Acetate	6.26	43	285383	46.425	ug/l	99
24) 1,1-Dichloroethane	6.21	63	50299	9.600	ug/l	99
25) 2-Butanone	7.17	43	52519	46.907	ug/l	98
26) 2,2-Dichloropropane	7.17	77	33244	10.317	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	27847	9.620	ug/l	95
28) Bromochloromethane	7.51	49	24653	10.601	ug/l	99
29) Tetrahydrofuran	7.53	42	30136	47.088	ug/l	100
30) Chloroform	7.67	83	46973	9.718	ug/l	100
31) Cyclohexane	7.95	56	50622	10.065	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	35664	9.688	ug/l	99
36) 1,1-Dichloropropene	8.08	75	38359	9.657	ug/l	98
37) Ethyl Acetate	7.26	43	21744	9.515	ug/l #	96
38) Carbon Tetrachloride	8.07	117	32805	9.648	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	42220	9.653	ug/l	97
40) Benzene	8.32	78	108052	9.712	ug/l	99
41) Methacrylonitrile	7.49	41	11780	8.624	ug/l	90
42) 1,2-Dichloroethane	8.40	62	34102	9.790	ug/l	99
43) Isopropyl Acetate	8.42	43	39361	9.366	ug/l	100
44) Trichloroethene	9.09	130	25779	9.640	ug/l	96
45) 1,2-Dichloropropane	9.37	63	28452	9.558	ug/l	99
46) Dibromomethane	9.46	93	13055	9.608	ug/l	99
47) Bromodichloromethane	9.65	83	33414	9.375	ug/l	99
48) Methyl methacrylate	9.44	41	17935	8.884	ug/l	95
49) 1,4-Dioxane	9.45	88	3813	193.816	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	102733	46.996	ug/l	99
52) Toluene	10.39	92	64386	9.583	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	33468	8.989	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	40783	9.213	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	18083	9.380	ug/l	96
56) Ethyl methacrylate	10.65	69	25284	8.963	ug/l	97
57) 1,3-Dichloropropane	10.93	76	34209	9.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	69396	54.180	ug/l	99
59) 2-Hexanone	10.97	43	69674	45.141	ug/l	100
60) Dibromochloromethane	11.13	129	19563	9.142	ug/l	98
61) 1,2-Dibromoethane	11.23	107	17624	9.660	ug/l	99
64) Tetrachloroethene	10.86	164	21568	9.861	ug/l	93
65) Chlorobenzene	11.66	112	65286	9.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	21902	9.310	ug/l	98
67) Ethyl Benzene	11.73	91	121567	9.451	ug/l	100
68) m/p-Xylenes	11.84	106	89654	19.166	ug/l	100
69) o-Xylene	12.16	106	41451	9.536	ug/l	99
70) Styrene	12.18	104	70999	9.447	ug/l	99
71) Bromoform	12.35	173	10769	8.978	ug/l #	99
73) Isopropylbenzene	12.46	105	115201	9.490	ug/l	100
74) N-amyl acetate	12.27	43	33989	8.943	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	21660	9.486	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15500m	8.973	ug/l	
77) Bromobenzene	12.75	156	25453	9.486	ug/l	99
78) n-propylbenzene	12.80	91	140147	9.486	ug/l	99
79) 2-Chlorotoluene	12.89	91	82108	9.647	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	98112	9.642	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	6928	9.273	ug/l	97
82) 4-Chlorotoluene	12.99	91	86681	9.707	ug/l	99
83) tert-Butylbenzene	13.21	119	81240	9.547	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	97087	9.471	ug/l	99
85) sec-Butylbenzene	13.38	105	116432	9.589	ug/l	99
86) p-Isopropyltoluene	13.50	119	105778	9.602	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	51073	9.708	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	51079	9.760	ug/l	97
89) n-Butylbenzene	13.82	91	103842	9.445	ug/l	99
90) Hexachloroethane	14.09	117	17643	9.057	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	45051	9.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3545	9.104	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30074	9.171	ug/l	99
94) Hexachlorobutadiene	15.24	225	19951	9.755	ug/l	97
95) Naphthalene	15.37	128	49438	8.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	26956	9.377	ug/l	99

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

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