

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015222.D
 Acq On : 20 Apr 2020 14:33
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:34 AM

Quant Time: Apr 21 06:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	186712	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	98010	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	7.88	113	96744	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.32	98	418062	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	161083	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	104609	52.367	ug/l	97
3) Chloromethane	2.21	50	109213	50.205	ug/l	98
4) Vinyl Chloride	2.36	62	128175	49.897	ug/l	97
5) Bromomethane	2.78	94	92623	50.712	ug/l	92
6) Chloroethane	2.92	64	78097	49.013	ug/l	99
7) Trichlorofluoromethane	3.26	101	180952	49.781	ug/l	98
8) Diethyl Ether	3.69	74	48182	47.224	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	109513	48.855	ug/l	94
10) Methyl Iodide	4.28	142	121669	51.677	ug/l	99
11) Tert butyl alcohol	5.24	59	23499	139.359	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	105789	49.031	ug/l	98
13) Acrolein	3.91	56	19493	220.868	ug/l	96
14) Allyl chloride	4.68	41	137333	47.980	ug/l	87
15) Acrylonitrile	5.38	53	83135	214.112	ug/l	98
16) Acetone	4.16	43	72556m	200.819	ug/l	
17) Carbon Disulfide	4.39	76	314701	49.082	ug/l	98
18) Methyl Acetate	4.69	43	38729	40.496	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	227668	45.966	ug/l	99
20) Methylene Chloride	4.92	84	111740	47.190	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	118552	48.448	ug/l	94
22) Diisopropyl ether	6.32	45	264499	48.169	ug/l	95
23) Vinyl Acetate	6.26	43	747842	232.085	ug/l	96
24) 1,1-Dichloroethane	6.22	63	184670	48.526	ug/l	98
25) 2-Butanone	7.18	43	95996	200.264	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	189452	47.320	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	128545	48.659	ug/l	98
28) Bromochloromethane	7.52	49	66006	47.705	ug/l #	79
29) Tetrahydrofuran	7.54	42	60456	202.436	ug/l	89
30) Chloroform	7.68	83	199112	48.478	ug/l	99
31) Cyclohexane	7.96	56	175924	45.989	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	191227	48.240	ug/l	99
36) 1,1-Dichloropropene	8.09	75	158615	48.383	ug/l	98
37) Ethyl Acetate	7.26	43	46054	43.286	ug/l #	97
38) Carbon Tetrachloride	8.07	117	173682	48.480	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210995	48.356	ug/l	96
40) Benzene	8.32	78	427829	48.855	ug/l	96
41) Methacrylonitrile	7.49	41	29501	46.213	ug/l	97
42) 1,2-Dichloroethane	8.40	62	120785	46.852	ug/l	100
43) Isopropyl Acetate	8.43	43	97262	43.587	ug/l	94
44) Trichloroethene	9.09	130	131036	48.919	ug/l	92
45) 1,2-Dichloropropane	9.37	63	97935	48.090	ug/l	99
46) Dibromomethane	9.46	93	53973	45.817	ug/l #	88
47) Bromodichloromethane	9.65	83	149841	47.581	ug/l	98
48) Methyl methacrylate	9.44	41	48229	45.720	ug/l	91
49) 1,4-Dioxane	9.48	88	12940	823.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	225466	215.242	ug/l	97
52) Toluene	10.39	92	306856	50.068	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	147598	47.533	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	173388	48.040	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75586	45.822	ug/l	95
56) Ethyl methacrylate	10.65	69	97023	45.657	ug/l	94
57) 1,3-Dichloropropane	10.93	76	127733	46.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	218078	221.354	ug/l	91
59) 2-Hexanone	10.97	43	157264	210.318	ug/l	97
60) Dibromochloromethane	11.13	129	102129	46.892	ug/l	100
61) 1,2-Dibromoethane	11.23	107	73692	45.783	ug/l	99
64) Tetrachloroethene	10.86	164	119193	48.801	ug/l	94
65) Chlorobenzene	11.66	112	333900	49.722	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	114120	47.282	ug/l	97
67) Ethyl Benzene	11.73	91	615613	49.158	ug/l	100
68) m/p-Xylenes	11.84	106	488409	99.497	ug/l	100
69) o-Xylene	12.16	106	225300	49.173	ug/l	99
70) Styrene	12.18	104	390381	49.984	ug/l	99
71) Bromoform	12.35	173	61671	45.348	ug/l #	98
73) Isopropylbenzene	12.46	105	634462	49.010	ug/l	100
74) N-amyl acetate	12.27	43	100394	44.576	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	79771	43.400	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65481m	45.334	ug/l	
77) Bromobenzene	12.74	156	144204	48.484	ug/l	85
78) n-propylbenzene	12.80	91	739394	49.055	ug/l	97
79) 2-Chlorotoluene	12.89	91	419482	49.383	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	546049	48.966	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	29551	44.723	ug/l	94
82) 4-Chlorotoluene	12.99	91	451053	50.012	ug/l	99
83) tert-Butylbenzene	13.21	119	479733	49.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	537149	48.836	ug/l	99
85) sec-Butylbenzene	13.38	105	658661	48.933	ug/l	97
86) p-Isopropyltoluene	13.50	119	619649	49.541	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	291946	49.402	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	285818	49.339	ug/l	97
89) n-Butylbenzene	13.82	91	559188	48.913	ug/l	98
90) Hexachloroethane	14.09	117	112893	49.217	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	249892	48.662	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14763	44.383	ug/l	88

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93) 1,2,4-Trichlorobenzene	15.13	180	176215	49.368	ug/l	97
94) Hexachlorobutadiene	15.23	225	115788	48.656	ug/l	97
95) Naphthalene	15.36	128	282293	49.165	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144987	49.924	ug/l	98

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

