

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016397.D
 Acq On : 28 Aug 2020 12:57
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:26 AM

Quant Time: Aug 28 14:33:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 14:25:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	301541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144504	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	19453	10.50	ug/l	0.00
Spiked Amount			Recovery	=	21.00%	
35) Dibromofluoromethane	7.88	113	18905	10.22	ug/l	0.00
Spiked Amount			Recovery	=	20.44%	
50) Toluene-d8	10.33	98	70027	9.83	ug/l	0.00
Spiked Amount			Recovery	=	19.66%	
62) 4-Bromofluorobenzene	12.62	95	26978	10.53	ug/l	0.00
Spiked Amount			Recovery	=	21.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10768	8.378	ug/l	98
3) Chloromethane	2.21	50	11014	8.266	ug/l	97
4) Vinyl Chloride	2.36	62	15751	8.418	ug/l	96
5) Bromomethane	2.78	94	11251	9.503	ug/l	100
6) Chloroethane	2.92	64	9600	9.029	ug/l	99
7) Trichlorofluoromethane	3.26	101	18991	11.774	ug/l	91
8) Diethyl Ether	3.68	74	9457	9.722	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	17142	8.463	ug/l #	71
10) Methyl Iodide	4.28	142	28495	9.648	ug/l	97
11) Tert butyl alcohol	5.20	59	7108m	70.004	ug/l	
12) 1,1-Dichloroethene	4.03	96	18672	9.065	ug/l	90
13) Acrolein	3.90	56	4687	35.067	ug/l	94
14) Allyl chloride	4.67	41	23514	8.619	ug/l	98
15) Acrylonitrile	5.38	53	17750	48.864	ug/l	98
16) Acetone	4.14	43	16972	49.836	ug/l	95
17) Carbon Disulfide	4.39	76	51853	8.631	ug/l	99
18) Methyl Acetate	4.67	43	7440	9.140	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	29278	11.290	ug/l	97
20) Methylene Chloride	4.92	84	30489	11.575	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	21308	9.489	ug/l	98
22) Diisopropyl ether	6.31	45	47203	9.164	ug/l	90
23) Vinyl Acetate	6.26	43	142837	48.264	ug/l	99
24) 1,1-Dichloroethane	6.22	63	34186	9.427	ug/l	98
25) 2-Butanone	7.18	43	23804	51.439	ug/l	94
26) 2,2-Dichloropropane	7.17	77	28344	11.817	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	22514	9.648	ug/l	95
28) Bromochloromethane	7.51	49	12182	8.972	ug/l	98
29) Tetrahydrofuran	7.54	42	13096	47.070	ug/l	99
30) Chloroform	7.68	83	36910	9.648	ug/l	97
31) Cyclohexane	7.96	56	31958	9.604	ug/l #	95
32) 1,1,1-Trichloroethane	7.88	97	33986	10.496	ug/l	99
36) 1,1-Dichloropropene	8.09	75	29928	10.074	ug/l	99
37) Ethyl Acetate	7.26	43	9721	9.660	ug/l #	95
38) Carbon Tetrachloride	8.07	117	32167	10.667	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35545	9.956	ug/l	99
40) Benzene	8.32	78	80430	9.683	ug/l	100
41) Methacrylonitrile	7.49	41	5991	10.468	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	24347	10.886	ug/l	100
43) Isopropyl Acetate	8.42	43	19934	10.445	ug/l	99
44) Trichloroethene	9.10	130	23929	10.058	ug/l	89
45) 1,2-Dichloropropane	9.37	63	19021	9.774	ug/l	98
46) Dibromomethane	9.46	93	11182	10.760	ug/l	97
47) Bromodichloromethane	9.65	83	27885	10.332	ug/l	100
48) Methyl methacrylate	9.44	41	9215	10.415	ug/l	98
49) 1,4-Dioxane	9.48	88	2998	230.222	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	50293	52.471	ug/l	98
52) Toluene	10.39	92	53703	10.072	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	26270	10.480	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	31545	10.244	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	16017	10.723	ug/l	96
56) Ethyl methacrylate	10.65	69	17180	10.169	ug/l	98
57) 1,3-Dichloropropane	10.93	76	26158	10.356	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	39185	50.849	ug/l	99
59) 2-Hexanone	10.97	43	34183	52.325	ug/l	99
60) Dibromochloromethane	11.13	129	19740	10.976	ug/l	100
61) 1,2-Dibromoethane	11.24	107	15639	10.871	ug/l	99
64) Tetrachloroethene	10.86	164	19592	10.553	ug/l	92
65) Chlorobenzene	11.66	112	58034	10.095	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	21805	10.766	ug/l	99
67) Ethyl Benzene	11.73	91	103742	10.087	ug/l	98
68) m/p-Xylenes	11.84	106	78987	19.994	ug/l	100
69) o-Xylene	12.17	106	36115	10.258	ug/l	98
70) Styrene	12.18	104	61105	10.024	ug/l	98
71) Bromoform	12.35	173	10752	11.662	ug/l #	97
73) Isopropylbenzene	12.46	105	101350	9.197	ug/l	100
74) N-amyl acetate	12.27	43	17932	9.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17708	9.699	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	12798m	9.690	ug/l	
77) Bromobenzene	12.75	156	24658	10.020	ug/l	96
78) n-propylbenzene	12.80	91	121271	9.254	ug/l	100
79) 2-Chlorotoluene	12.90	91	72853	9.599	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	89381	9.406	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	5407	9.801	ug/l	96
82) 4-Chlorotoluene	12.99	91	76506	9.705	ug/l	98
83) tert-Butylbenzene	13.21	119	76075	9.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	91113	9.740	ug/l	99
85) sec-Butylbenzene	13.38	105	103374	9.206	ug/l	99
86) p-Isopropyltoluene	13.50	119	100045	9.778	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	47476	9.805	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	48156	9.990	ug/l	98
89) n-Butylbenzene	13.82	91	90415	9.600	ug/l	99
90) Hexachloroethane	14.09	117	18530	9.696	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	43510	10.190	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3084	10.722	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	27722	10.743	ug/l	96
94) Hexachlorobutadiene	15.24	225	16287	10.429	ug/l	97
95) Naphthalene	15.37	128	47117	9.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	22979	10.386	ug/l	96

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

