

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011511.D
 Acq On : 26 Jul 2019 12:24
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:38 AM

Quant Time: Jul 27 00:19:54 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	245689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	56323	19.96	ug/l	0.00
Spiked Amount			Recovery	=	39.92%	
35) Dibromofluoromethane	7.88	113	44915	19.89	ug/l	0.00
Spiked Amount			Recovery	=	39.78%	
50) Toluene-d8	10.32	98	183235	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
62) 4-Bromofluorobenzene	12.62	95	64479	19.56	ug/l	0.00
Spiked Amount			Recovery	=	39.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30491	22.268	ug/l	93
3) Chloromethane	2.21	50	49072	20.668	ug/l	100
4) Vinyl Chloride	2.35	62	60307	21.097	ug/l	98
5) Bromomethane	2.76	94	31435	19.868	ug/l	97
6) Chloroethane	2.92	64	32893	20.145	ug/l	93
7) Trichlorofluoromethane	3.25	101	24531	19.202	ug/l	99
8) Diethyl Ether	3.68	74	28869	19.931	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49762	20.534	ug/l	99
10) Methyl Iodide	4.27	142	69412	20.268	ug/l	100
11) Tert butyl alcohol	5.17	59	22683	95.772	ug/l	99
12) 1,1-Dichloroethene	4.04	96	51431	20.100	ug/l	98
13) Acrolein	3.88	56	21621	106.808	ug/l	97
14) Allyl chloride	4.67	41	107254	19.708	ug/l	98
15) Acrylonitrile	5.36	53	72572	100.369	ug/l	98
16) Acetone	4.12	43	78057	86.980	ug/l	98
17) Carbon Disulfide	4.38	76	161577	20.176	ug/l	99
18) Methyl Acetate	4.67	43	40185	19.933	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82785	20.388	ug/l	97
20) Methylene Chloride	4.92	84	62442	20.175	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	55745	20.208	ug/l	95
22) Diisopropyl ether	6.31	45	208579	20.328	ug/l	95
23) Vinyl Acetate	6.25	43	649994	100.817	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109876	19.995	ug/l	99
25) 2-Butanone	7.16	43	110870	94.414	ug/l	98
26) 2,2-Dichloropropane	7.16	77	66411	19.651	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	61371	20.214	ug/l	98
28) Bromochloromethane	7.51	49	52187	21.396	ug/l	99
29) Tetrahydrofuran	7.52	42	67176	100.078	ug/l	100
30) Chloroform	7.68	83	102251	20.169	ug/l	98
31) Cyclohexane	7.95	56	107011	20.287	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	77790	20.148	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84435	20.171	ug/l	99
37) Ethyl Acetate	7.25	43	48107	19.976	ug/l	100
38) Carbon Tetrachloride	8.07	117	71326	19.905	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92782	20.130	ug/l	96
40) Benzene	8.32	78	237428	20.250	ug/l	99
41) Methacrylonitrile	7.48	41	31468	21.859	ug/l	95
42) 1,2-Dichloroethane	8.40	62	73412	19.998	ug/l	99
43) Isopropyl Acetate	8.42	43	85786	19.369	ug/l	99
44) Trichloroethene	9.09	130	55897	19.835	ug/l	97
45) 1,2-Dichloropropane	9.37	63	63722	20.312	ug/l	99
46) Dibromomethane	9.46	93	28309	19.771	ug/l	99
47) Bromodichloromethane	9.65	83	74372	19.801	ug/l	96
48) Methyl methacrylate	9.43	41	41322	19.423	ug/l	98
49) 1,4-Dioxane	9.44	88	8053	388.424	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	226762	98.434	ug/l	99
52) Toluene	10.39	92	143102	20.210	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76831	19.582	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	92976	19.930	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40318	19.845	ug/l	97
56) Ethyl methacrylate	10.65	69	58150	19.560	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77812	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149926	111.072	ug/l	99
59) 2-Hexanone	10.97	43	157322	96.720	ug/l	100
60) Dibromochloromethane	11.13	129	44664	19.806	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38354	19.949	ug/l	100
64) Tetrachloroethene	10.86	164	45924	20.027	ug/l	97
65) Chlorobenzene	11.66	112	142942	20.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49383	20.023	ug/l	100
67) Ethyl Benzene	11.73	91	272062	20.175	ug/l	99
68) m/p-Xylenes	11.84	106	199563	40.693	ug/l	100
69) o-Xylene	12.16	106	91334	20.042	ug/l	99
70) Styrene	12.18	104	160416	20.359	ug/l	100
71) Bromoform	12.35	173	24232	19.270	ug/l #	98
73) Isopropylbenzene	12.46	105	255914	19.702	ug/l	99
74) N-amyl acetate	12.27	43	78042	19.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48910	20.018	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40578m	21.952	ug/l	
77) Bromobenzene	12.75	156	56222	19.582	ug/l	98
78) n-propylbenzene	12.80	91	316554	20.025	ug/l	100
79) 2-Chlorotoluene	12.89	91	181076	19.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	217801	20.003	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14798	18.511	ug/l	96
82) 4-Chlorotoluene	12.99	91	191758	20.068	ug/l	100
83) tert-Butylbenzene	13.21	119	181282	19.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	220711	20.122	ug/l	99
85) sec-Butylbenzene	13.38	105	259780	19.995	ug/l	100
86) p-Isopropyltoluene	13.50	119	234958	19.932	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111562	19.817	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110960	19.814	ug/l	98
89) n-Butylbenzene	13.82	91	233573	19.855	ug/l	99
90) Hexachloroethane	14.10	117	40503	19.431	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	99507	19.985	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8124	19.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69766	19.881	ug/l	99
94) Hexachlorobutadiene	15.24	225	43769	20.001	ug/l	99
95) Naphthalene	15.37	128	120819	19.419	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	60501	19.669	ug/l	100

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

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