

Data File : VW009017.D
Acq On : 06 Mar 2019 12:59
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:08 AM

Quant Time: Mar 07 07:13:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	244588	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	556991	179.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	358.24%	
35) Dibromofluoromethane	7.88	113	490091	175.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	351.90%	
50) Toluene-d8	10.32	98	1875564	163.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.70%	
62) 4-Bromofluorobenzene	12.62	95	730141	165.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	424724	137.943	ug/l	99
3) Chloromethane	2.21	50	603830	155.696	ug/l	99
4) Vinyl Chloride	2.35	62	638638	164.327	ug/l	96
5) Bromomethane	2.75	94	505443	148.101	ug/l	97
6) Chloroethane	2.90	64	453837	164.697	ug/l	96
7) Trichlorofluoromethane	3.25	101	807697	161.339	ug/l	97
8) Diethyl Ether	3.68	74	265095	169.636	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	502994	161.913	ug/l	97
10) Methyl Iodide	4.26	142	588351	200.632	ug/l	100
11) Tert butyl alcohol	5.18	59	179130	787.552	ug/l	99
12) 1,1-Dichloroethene	4.03	96	447459	165.300	ug/l	98
13) Acrolein	3.89	56	193716	759.728	ug/l	98
14) Allyl chloride	4.67	41	820167	175.249	ug/l	99
15) Acrylonitrile	5.37	53	559547	836.353	ug/l	100
16) Acetone	4.12	43	523117	819.503	ug/l	99
17) Carbon Disulfide	4.37	76	1475067	162.597	ug/l	99
18) Methyl Acetate	4.67	43	261966	179.923	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	1241468	177.162	ug/l	98
20) Methylene Chloride	4.91	84	482325	129.062	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	518208	167.360	ug/l	95
22) Diisopropyl ether	6.31	45	1679441	179.712	ug/l	98
23) Vinyl Acetate	6.26	43	5426061	932.246	ug/l	99
24) 1,1-Dichloroethane	6.21	63	944200	173.765	ug/l	97
25) 2-Butanone	7.17	43	798741	879.128	ug/l	98
26) 2,2-Dichloropropane	7.17	77	828481	166.679	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	572546	175.646	ug/l	99
28) Bromochloromethane	7.51	49	378428	160.436	ug/l	96
29) Tetrahydrofuran	7.52	42	524513	918.921	ug/l	98
30) Chloroform	7.67	83	970150	174.381	ug/l	99
31) Cyclohexane	7.95	56	833115	149.093	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	858149	167.935	ug/l	100
36) 1,1-Dichloropropene	8.08	75	712074	154.770	ug/l	100
37) Ethyl Acetate	7.25	43	341706	167.912	ug/l	99
38) Carbon Tetrachloride	8.07	117	763638	160.388	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	898860	161.723	ug/l	99
40) Benzene	8.32	78	1921746	154.858	ug/l	98
41) Methacrylonitrile	7.48	41	214914	178.044	ug/l	91
42) 1,2-Dichloroethane	8.40	62	667742	167.649	ug/l	99
43) Isopropyl Acetate	8.42	43	698027	174.487	ug/l	98
44) Trichloroethene	9.09	130	525950	151.998	ug/l	99
45) 1,2-Dichloropropane	9.37	63	485399	157.777	ug/l	96
46) Dibromomethane	9.46	93	282361	166.365	ug/l	98
47) Bromodichloromethane	9.64	83	714571	167.945	ug/l	98
48) Methyl methacrylate	9.43	41	331455	175.343	ug/l	98
49) 1,4-Dioxane	9.45	88	70089	3020.840	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	1731609	855.965	ug/l	100
52) Toluene	10.39	92	1345881	160.653	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	729719	172.894	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	805448	167.167	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	371527	161.168	ug/l	99
56) Ethyl methacrylate	10.65	69	510587	179.062	ug/l	98
57) 1,3-Dichloropropane	10.93	76	652132	160.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1271372	840.267	ug/l	99
59) 2-Hexanone	10.97	43	1205417	847.592	ug/l	98
60) Dibromochloromethane	11.13	129	472533	168.765	ug/l	100
61) 1,2-Dibromoethane	11.23	107	359659	164.609	ug/l	99
64) Tetrachloroethene	10.86	164	476650	154.938	ug/l	98
65) Chlorobenzene	11.66	112	1451615	156.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	523523	168.562	ug/l	99
67) Ethyl Benzene	11.73	91	2780330	165.812	ug/l	99
68) m/p-Xylenes	11.84	106	2194044	331.611	ug/l	99
69) o-Xylene	12.16	106	1051051	170.170	ug/l	99
70) Styrene	12.18	104	1767985	176.697	ug/l	98
71) Bromoform	12.35	173	291700	176.272	ug/l #	97
73) Isopropylbenzene	12.46	105	2887617	172.480	ug/l	100
74) N-amyl acetate	12.27	43	723253	181.458	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	435389	166.733	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	318884m	120.632	ug/l	
77) Bromobenzene	12.75	156	611906	161.452	ug/l	96
78) n-propylbenzene	12.80	91	3469783	168.820	ug/l	99
79) 2-Chlorotoluene	12.90	91	1934546	166.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2452730	170.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	148641	185.853	ug/l	98
82) 4-Chlorotoluene	12.99	91	2068847	167.597	ug/l	99
83) tert-Butylbenzene	13.21	119	2074239	167.549	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2506786	170.427	ug/l	100
85) sec-Butylbenzene	13.38	105	3000742	166.160	ug/l	99
86) p-Isopropyltoluene	13.50	119	2786040	171.394	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1310769	161.551	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1240381	154.137	ug/l	99
89) n-Butylbenzene	13.83	91	2609177	169.544	ug/l	99
90) Hexachloroethane	14.10	117	467969	168.046	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1093232	154.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	75439	158.060	ug/l	95

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	770973	158.604	ug/l	100
94) Hexachlorobutadiene	15.24	225	441267	142.815	ug/l	98
95) Naphthalene	15.37	128	1386589	175.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	661187	157.101	ug/l	98

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

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