

Data File : VW009014.D
Acq On : 06 Mar 2019 11:43
Operator : SY/VA
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:04 AM

Quant Time: Mar 07 07:10:00 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	294035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	53646	18.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.38%	
35) Dibromofluoromethane	7.88	113	47261	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	
50) Toluene-d8	10.32	98	189511	18.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.74%	
62) 4-Bromofluorobenzene	12.62	95	73972	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	63177	21.629	ug/l 98
3) Chloromethane	2.21	50	73033	19.851	ug/l 94
4) Vinyl Chloride	2.35	62	72815	19.750	ug/l 96
5) Bromomethane	2.74	94	59246	18.299	ug/l 93
6) Chloroethane	2.90	64	50526	19.328	ug/l 95
7) Trichlorofluoromethane	3.25	101	98583	20.758	ug/l 96
8) Diethyl Ether	3.68	74	28476	19.208	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59361	20.142	ug/l 99
10) Methyl Iodide	4.26	142	52446	18.852	ug/l 100
11) Tert butyl alcohol	5.18	59	23109	107.098	ug/l 99
12) 1,1-Dichloroethene	4.03	96	52134	20.302	ug/l 98
13) Acrolein	3.89	56	26982	111.547	ug/l 95
14) Allyl chloride	4.67	41	87388	19.683	ug/l 99
15) Acrylonitrile	5.37	53	63348	99.810	ug/l 98
16) Acetone	4.12	43	58811	97.118	ug/l 97
17) Carbon Disulfide	4.37	76	171631	19.943	ug/l 99
18) Methyl Acetate	4.67	43	27160	19.663	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	133060	20.016	ug/l 97
20) Methylene Chloride	4.92	84	65482	18.470	ug/l 88
21) trans-1,2-Dichloroethene	5.42	96	59522	20.264	ug/l 95
22) Diisopropyl ether	6.31	45	174689	19.705	ug/l 94
23) Vinyl Acetate	6.26	43	555858	100.670	ug/l 99
24) 1,1-Dichloroethane	6.21	63	102711	19.925	ug/l 96
25) 2-Butanone	7.17	43	87030	100.973	ug/l 94
26) 2,2-Dichloropropane	7.16	77	94155	19.968	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	62658	20.263	ug/l 98
28) Bromochloromethane	7.51	49	44206	19.756	ug/l 98
29) Tetrahydrofuran	7.53	42	54307	100.292	ug/l 99
30) Chloroform	7.67	83	105948	20.074	ug/l 96
31) Cyclohexane	7.95	56	107228	20.228	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	98976	20.417	ug/l 99
36) 1,1-Dichloropropene	8.08	75	85887	20.716	ug/l 99
37) Ethyl Acetate	7.26	43	38508	20.999	ug/l 99
38) Carbon Tetrachloride	8.06	117	88013	20.514	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99397	19.846	ug/l	99
40) Benzene	8.32	78	226647	20.268	ug/l	99
41) Methacrylonitrile	7.48	41	20462	18.812	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72836	20.294	ug/l	99
43) Isopropyl Acetate	8.43	43	72526	20.119	ug/l	99
44) Trichloroethene	9.09	130	66141	21.212	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58197	20.993	ug/l	93
46) Dibromomethane	9.46	93	32000	20.923	ug/l	99
47) Bromodichloromethane	9.64	83	76831	20.039	ug/l	94
48) Methyl methacrylate	9.43	41	32182	18.893	ug/l	88
49) 1,4-Dioxane	9.45	88	8994	430.183	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	182777	100.265	ug/l	98
52) Toluene	10.38	92	147769	19.574	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	75456	19.840	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	89859	20.697	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	42800	20.604	ug/l	96
56) Ethyl methacrylate	10.65	69	50116	19.504	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75059	20.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	136280	99.954	ug/l	97
59) 2-Hexanone	10.97	43	129476	101.033	ug/l	99
60) Dibromochloromethane	11.13	129	52116	20.656	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39884	20.257	ug/l	97
64) Tetrachloroethene	10.86	164	54824	19.689	ug/l	96
65) Chlorobenzene	11.66	112	162552	19.419	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57335	20.395	ug/l	98
67) Ethyl Benzene	11.73	91	293255	19.322	ug/l	100
68) m/p-Xylenes	11.84	106	239267	39.953	ug/l	98
69) o-Xylene	12.17	106	109606	19.605	ug/l	99
70) Styrene	12.18	104	175364	19.363	ug/l	100
71) Bromoform	12.35	173	29485	19.685	ug/l #	97
73) Isopropylbenzene	12.46	105	298407	19.078	ug/l	100
74) N-amyl acetate	12.27	43	70507	18.934	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	48074	19.705	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42614m	17.255	ug/l	
77) Bromobenzene	12.75	156	68472	19.337	ug/l	99
78) n-propylbenzene	12.80	91	375220	19.540	ug/l	100
79) 2-Chlorotoluene	12.89	91	209429	19.316	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	265825	19.803	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14609	19.551	ug/l	96
82) 4-Chlorotoluene	12.99	91	222234	19.269	ug/l	99
83) tert-Butylbenzene	13.21	119	220459	19.060	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	268418	19.532	ug/l	100
85) sec-Butylbenzene	13.38	105	327052	19.384	ug/l	100
86) p-Isopropyltoluene	13.50	119	293601	19.332	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	147420	19.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148982	19.815	ug/l	99
89) n-Butylbenzene	13.83	91	276589	19.237	ug/l	99
90) Hexachloroethane	14.10	117	49554	19.046	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	130746	19.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8887	19.930	ug/l	94

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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	92630	20.396	ug/l	100
94) Hexachlorobutadiene	15.24	225	57107	19.783	ug/l	96
95) Naphthalene	15.37	128	147977	20.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	81561	20.742	ug/l	100

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

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