

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110121\
 Data File : VW020736.D
 Acq On : 01 Nov 2021 15:42
 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

Reviewed By :Vimala Arumugam 11/02/2021
 Supervised By :Mahesh Dadoda 11/03/2021

Quant Time: Nov 02 04:18:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W110121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 02 04:15:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.951	168	38724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	58451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	55871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	32423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	7419	19.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.680%#		
35) Dibromofluoromethane	7.884	113	8082	23.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.680%#		
50) Toluene-d8	10.323	98	28919	22.548	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.100%#		
62) 4-Bromofluorobenzene	12.615	95	9858	20.505	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	1508	15.689	ug/l	96
3) Chloromethane	2.215	50	4035	17.401	ug/l	94
4) Vinyl Chloride	2.355	62	7432	24.741	ug/l	100
5) Bromomethane	2.757	94	6789	45.003	ug/l	89
6) Chloroethane	2.904	64	2933	32.398	ug/l	93
7) Trichlorofluoromethane	3.245	101	2497	19.332	ug/l	99
8) Diethyl Ether	3.684	74	2621	16.782	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.056	101	6547	20.694	ug/l	96
10) Methyl Iodide	4.269	142	8173	22.431	ug/l	98
11) Tert butyl alcohol	5.178	59	1365	67.767	ug/l #	77
12) 1,1-Dichloroethene	4.037	96	5646	18.468	ug/l	96
13) Acrolein	3.879	56	528	63.365	ug/l	96
14) Allyl chloride	4.659	41	4467	10.455	ug/l	96
15) Acrylonitrile	5.367	53	4986	69.036	ug/l	95
16) Acetone	4.123	43	4214	52.367	ug/l	100
17) Carbon Disulfide	4.379	76	13756	16.525	ug/l	100
18) Methyl Acetate	4.672	43	3225	12.364	ug/l	98
19) Methyl tert-butyl Ether	5.421	73	6516	15.854	ug/l	95
20) Methylene Chloride	4.909	84	7624	18.622	ug/l	94
21) trans-1,2-Dichloroethene	5.427	96	6207	18.096	ug/l	94
22) Diisopropyl ether	6.305	45	11325	12.348	ug/l #	90
23) Vinyl Acetate	6.257	43	30556	60.722	ug/l	98
24) 1,1-Dichloroethane	6.214	63	9507	15.570	ug/l	97
25) 2-Butanone	7.171	43	5582	56.950	ug/l	98
26) 2,2-Dichloropropane	7.165	77	5722	16.710	ug/l	93
27) cis-1,2-Dichloroethene	7.171	96	6977	18.622	ug/l	93
28) Bromochloromethane	7.512	49	4140	14.749	ug/l #	98
29) Tetrahydrofuran	7.531	42	3331	56.449	ug/l	100
30) Chloroform	7.677	83	12125	18.468	ug/l	98
31) Cyclohexane	7.951	56	7943	13.004	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	9160	18.070	ug/l	99
36) 1,1-Dichloropropene	8.079	75	8460	16.437	ug/l	96
37) Ethyl Acetate	7.256	43	2864	13.438	ug/l	95
38) Carbon Tetrachloride	8.061	117	9225	19.009	ug/l	100
39) Methylcyclohexane	9.335	83	9660	15.455	ug/l	91
40) Benzene	8.323	78	24448	16.535	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	1341	10.812	ug/l #	90
42) 1,2-Dichloroethane	8.396	62	6986	15.519	ug/l	98
43) Isopropyl Acetate	8.427	43	5109	12.559	ug/l	97
44) Trichloroethene	9.091	130	7557	19.126	ug/l	96
45) 1,2-Dichloropropane	9.366	63	5611	16.309	ug/l	95
46) Dibromomethane	9.463	93	3807	19.408	ug/l	93
47) Bromodichloromethane	9.646	83	8853	18.037	ug/l	97
48) Methyl methacrylate	9.439	41	2394	12.071	ug/l	89
49) 1,4-Dioxane	9.457	88	932	350.853	ug/l	90
51) 4-Methyl-2-Pentanone	10.207	43	13777	64.009	ug/l	97
52) Toluene	10.384	92	16453	18.093	ug/l	91
53) t-1,3-Dichloropropene	10.609	75	8037	16.519	ug/l	93
54) cis-1,3-Dichloropropene	10.073	75	9217	16.563	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	5203	18.993	ug/l	96
56) Ethyl methacrylate	10.646	69	5359	16.129	ug/l	95
57) 1,3-Dichloropropane	10.933	76	8171	17.501	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	14614	93.412	ug/l	94
59) 2-Hexanone	10.969	43	9133	60.173	ug/l	99
60) Dibromochloromethane	11.128	129	6398	19.446	ug/l	99
61) 1,2-Dibromoethane	11.231	107	5065	19.066	ug/l	98
64) Tetrachloroethene	10.866	164	6054	17.018	ug/l #	85
65) Chlorobenzene	11.658	112	18844	18.508	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.731	131	7018	18.809	ug/l	100
67) Ethyl Benzene	11.731	91	31042	17.111	ug/l	100
68) m/p-Xylenes	11.835	106	24747	35.043	ug/l	95
69) o-Xylene	12.164	106	11347	17.362	ug/l	95
70) Styrene	12.176	104	19937	17.788	ug/l	97
71) Bromoform	12.347	173	3814	18.441	ug/l #	98
73) Isopropylbenzene	12.463	105	31665	16.314	ug/l	99
74) N-amyl acetate	12.268	43	4781	11.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	6080	17.315	ug/l	96
76) 1,2,3-Trichloropropane	12.768	75	4324m	15.636	ug/l	
77) Bromobenzene	12.743	156	7955	16.695	ug/l	95
78) n-propylbenzene	12.804	91	37962	15.922	ug/l	99
79) 2-Chlorotoluene	12.890	91	21922	15.987	ug/l	98
80) 1,3,5-Trimethylbenzene	12.938	105	27462	16.278	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	1640	14.811	ug/l	90
82) 4-Chlorotoluene	12.987	91	22892	15.682	ug/l	99
83) tert-Butylbenzene	13.207	119	23315	16.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	27586	16.426	ug/l	100
85) sec-Butylbenzene	13.383	105	35573	16.407	ug/l	98
86) p-Isopropyltoluene	13.493	119	30125	16.397	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	17652	18.089	ug/l	97
88) 1,4-Dichlorobenzene	13.572	146	16751	17.375	ug/l	95
89) n-Butylbenzene	13.822	91	27752	16.108	ug/l	98
90) Hexachloroethane	14.091	117	5748	16.923	ug/l	95
91) 1,2-Dichlorobenzene	13.865	146	14811	17.549	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.487	75	904	14.588	ug/l	90
93) 1,2,4-Trichlorobenzene	15.127	180	9186	15.752	ug/l	98
94) Hexachlorobutadiene	15.231	225	5267	14.362	ug/l	88
95) Naphthalene	15.359	128	15668	15.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	8322	15.971	ug/l	97

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

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