

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010973.D
 Acq On : 17 Oct 2022 15:31
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:15:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:10:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	306718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	503110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	443255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	210536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53515	18.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.880%#		
35) Dibromofluoromethane	7.710	113	55486	18.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.280%#		
50) Toluene-d8	10.179	98	206321	19.640	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.280%#		
62) 4-Bromofluorobenzene	12.483	95	70380	16.750	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	33.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	39602	19.465	ug/l	100
3) Chloromethane	2.113	50	58634	20.088	ug/l	95
4) Vinyl Chloride	2.247	62	67289	20.340	ug/l	99
5) Bromomethane	2.638	94	47017	20.548	ug/l	96
6) Chloroethane	2.790	64	44952	20.333	ug/l	99
7) Trichlorofluoromethane	3.119	101	97527	20.141	ug/l	94
8) Diethyl Ether	3.528	74	35863	19.847	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	61013	20.088	ug/l	94
10) Methyl Iodide	4.088	142	69953	18.822	ug/l	90
11) Tert butyl alcohol	4.948	59	37044	97.004	ug/l	100
12) 1,1-Dichloroethene	3.869	96	58094	19.966	ug/l	82
13) Acrolein	3.723	56	44827	98.418	ug/l	96
14) Allyl chloride	4.473	41	90428	19.598	ug/l #	88
15) Acrylonitrile	5.155	53	94019	99.818	ug/l	96
16) Acetone	3.942	43	85425	104.118	ug/l #	87
17) Carbon Disulfide	4.186	76	169829	19.910	ug/l	100
18) Methyl Acetate	4.473	43	50991	19.408	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	158905	19.547	ug/l	97
20) Methylene Chloride	4.710	84	85438	18.293	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	64396	19.605	ug/l	87
22) Diisopropyl ether	6.113	45	197998	20.037	ug/l	92
23) Vinyl Acetate	6.052	43	586505	99.253	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	118656	19.888	ug/l	99
25) 2-Butanone	6.978	43	124804	100.304	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	102416	19.330	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	74643	19.717	ug/l	90
28) Bromochloromethane	7.326	49	23751	12.772	ug/l	89
29) Tetrahydrofuran	7.344	42	77203	100.850	ug/l #	88
30) Chloroform	7.496	83	119056	19.795	ug/l	100
31) Cyclohexane	7.783	56	106935	19.779	ug/l #	86
32) 1,1,1-Trichloroethane	7.698	97	105187	19.897	ug/l	96
36) 1,1-Dichloropropene	7.911	75	92639	19.780	ug/l	99
37) Ethyl Acetate	7.070	43	50849	19.609	ug/l #	93
38) Carbon Tetrachloride	7.899	117	93912	19.425	ug/l	97
39) Methylcyclohexane	9.179	83	111527	19.881	ug/l	93
40) Benzene	8.155	78	270042	19.651	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	29724m	20.679	ug/l	
42) 1,2-Dichloroethane	8.234	62	73766	19.373	ug/l	90
43) Isopropyl Acetate	8.271	43	90194	19.468	ug/l #	89
44) Trichloroethene	8.935	130	73229	19.664	ug/l	97
45) 1,2-Dichloropropane	9.210	63	67474	19.352	ug/l	97
46) Dibromomethane	9.301	93	38098	19.591	ug/l	96
47) Bromodichloromethane	9.496	83	89756	19.153	ug/l	98
48) Methyl methacrylate	9.289	41	39795	19.193	ug/l #	78
49) 1,4-Dioxane	9.295	88	10936	391.401	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	254382	98.456	ug/l	89
52) Toluene	10.240	92	169546	19.860	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	94975	19.508	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	107969	19.380	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	54521	19.434	ug/l	98
56) Ethyl methacrylate	10.508	69	71734	19.252	ug/l #	77
57) 1,3-Dichloropropane	10.789	76	92959	19.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	123666	74.887	ug/l	97
59) 2-Hexanone	10.831	43	177863	100.216	ug/l	87
60) Dibromochloromethane	10.984	129	64398	19.304	ug/l	100
61) 1,2-Dibromoethane	11.087	107	52404	19.506	ug/l	98
64) Tetrachloroethene	10.715	164	67647	19.605	ug/l	97
65) Chlorobenzene	11.514	112	180417	19.826	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	66293	19.681	ug/l	97
67) Ethyl Benzene	11.593	91	319215	19.828	ug/l	99
68) m/p-Xylenes	11.703	106	246939	39.873	ug/l	95
69) o-Xylene	12.026	106	116281	19.773	ug/l	94
70) Styrene	12.044	104	198521	19.923	ug/l	95
71) Bromoform	12.209	173	40572	19.517	ug/l #	98
73) Isopropylbenzene	12.331	105	311408	20.359	ug/l	99
74) N-amyl acetate	12.142	43	75949	19.570	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	64483	20.087	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48994m	20.088	ug/l	
77) Bromobenzene	12.605	156	72114	20.169	ug/l	99
78) n-propylbenzene	12.672	91	382428	20.549	ug/l	99
79) 2-Chlorotoluene	12.758	91	212042	20.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	263616	20.656	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	22086	19.873	ug/l	86
82) 4-Chlorotoluene	12.855	91	222324	20.374	ug/l	99
83) tert-Butylbenzene	13.075	119	225716	20.453	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	259223	20.598	ug/l	99
85) sec-Butylbenzene	13.251	105	339846	20.493	ug/l	99
86) p-Isopropyltoluene	13.367	119	280866	20.416	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	143068	20.050	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	141738	19.978	ug/l	99
89) n-Butylbenzene	13.697	91	261300	20.325	ug/l	99
90) Hexachloroethane	13.959	117	54739	20.161	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	128656	20.152	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10327	19.457	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	75147	19.695	ug/l	99
94) Hexachlorobutadiene	15.111	225	44957	20.017	ug/l	99
95) Naphthalene	15.239	128	152872	19.673	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	65821	19.774	ug/l	99

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

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