

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100923\
 Data File : VY015880.D
 Acq On : 09 Oct 2023 14:22
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

Quant Time: Oct 10 06:57:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 06:54:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	202122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	337698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	299378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	36187	19.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.800%#		
35) Dibromofluoromethane	7.722	113	37684	20.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.020%#		
50) Toluene-d8	10.185	98	122630	19.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.500%#		
62) 4-Bromofluorobenzene	12.483	95	50886	20.181	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	15612	19.311	ug/l	94
3) Chloromethane	2.119	50	15253	18.445	ug/l	99
4) Vinyl Chloride	2.253	62	19651	18.632	ug/l	99
5) Bromomethane	2.637	94	16375	18.935	ug/l	95
6) Chloroethane	2.790	64	15714	18.974	ug/l	98
7) Trichlorofluoromethane	3.125	101	43653	19.506	ug/l	99
8) Diethyl Ether	3.534	74	18541	19.583	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	30291	19.944	ug/l	97
10) Methyl Iodide	4.095	142	23299	16.841	ug/l	95
11) Tert butyl alcohol	4.966	59	39922	92.177	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	21996	18.829	ug/l	91
13) Acrolein	3.741	56	11215	100.893	ug/l	97
14) Allyl chloride	4.485	41	42013	19.505	ug/l	92
15) Acrylonitrile	5.168	53	66866	102.705	ug/l	97
16) Acetone	3.954	43	84696	101.334	ug/l	89
17) Carbon Disulfide	4.198	76	22507	14.913	ug/l	97
18) Methyl Acetate	4.485	43	47363	19.210	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	108337	20.465	ug/l	95
20) Methylene Chloride	4.716	84	47267	19.185	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	25802	19.034	ug/l	86
22) Diisopropyl ether	6.131	45	118638	20.593	ug/l	92
23) Vinyl Acetate	6.070	43	323486	102.111	ug/l	97
24) 1,1-Dichloroethane	6.021	63	63785	20.099	ug/l	96
25) 2-Butanone	6.996	43	108746	109.001	ug/l	99
26) 2,2-Dichloropropane	6.984	77	57411	19.452	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	39425	19.705	ug/l	95
28) Bromochloromethane	7.344	49	36796	20.118	ug/l	92
29) Tetrahydrofuran	7.356	42	56123	102.832	ug/l	94
30) Chloroform	7.515	83	72053	20.355	ug/l	96
31) Cyclohexane	7.789	56	35822	18.391	ug/l #	82
32) 1,1,1-Trichloroethane	7.710	97	57334	19.833	ug/l	97
36) 1,1-Dichloropropene	7.923	75	39041	18.715	ug/l	99
37) Ethyl Acetate	7.082	43	37234	20.782	ug/l	95
38) Carbon Tetrachloride	7.905	117	48928	19.530	ug/l	99
39) Methylcyclohexane	9.185	83	39741	18.755	ug/l	89
40) Benzene	8.167	78	127340	19.424	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21266	19.078	ug/l #	84
42) 1,2-Dichloroethane	8.240	62	44559	19.939	ug/l	94
43) Isopropyl Acetate	8.277	43	68642	20.697	ug/l	97
44) Trichloroethene	8.947	130	37330	19.678	ug/l	97
45) 1,2-Dichloropropane	9.222	63	40057	20.314	ug/l	99
46) Dibromomethane	9.313	93	22876	19.494	ug/l	97
47) Bromodichloromethane	9.502	83	58887	20.177	ug/l	99
48) Methyl methacrylate	9.301	41	29616	20.221	ug/l	87
49) 1,4-Dioxane	9.307	88	8192	401.588	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	207132	104.391	ug/l	92
52) Toluene	10.246	92	85716	19.697	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	58716	19.901	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	63379	19.775	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	37535	20.088	ug/l	98
56) Ethyl methacrylate	10.514	69	50953	20.086	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	61321	20.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	152854	98.860	ug/l	96
59) 2-Hexanone	10.837	43	163491	108.911	ug/l	89
60) Dibromochloromethane	10.990	129	44773	19.988	ug/l	98
61) 1,2-Dibromoethane	11.093	107	33652	19.719	ug/l	100
64) Tetrachloroethene	10.721	164	40261	20.607	ug/l	95
65) Chlorobenzene	11.520	112	104897	20.087	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	43875	20.556	ug/l	99
67) Ethyl Benzene	11.599	91	180677	20.168	ug/l	99
68) m/p-Xylenes	11.703	106	136390	40.403	ug/l	96
69) o-Xylene	12.032	106	68588	20.307	ug/l	96
70) Styrene	12.050	104	120327	20.419	ug/l	95
71) Bromoform	12.209	173	30131	20.272	ug/l #	99
73) Isopropylbenzene	12.331	105	190055	20.202	ug/l	100
74) N-amyl acetate	12.148	43	62328	21.023	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	49463	20.276	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34061m	20.164	ug/l	
77) Bromobenzene	12.611	156	46100	19.984	ug/l	95
78) n-propylbenzene	12.672	91	229618	20.296	ug/l	99
79) 2-Chlorotoluene	12.758	91	131035	20.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	159621	20.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15803	20.128	ug/l	94
82) 4-Chlorotoluene	12.855	91	136949	20.392	ug/l	99
83) tert-Butylbenzene	13.081	119	148892	20.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	158274	20.270	ug/l	99
85) sec-Butylbenzene	13.258	105	217637	20.508	ug/l	99
86) p-Isopropyltoluene	13.373	119	181849	20.714	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	95105	20.478	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	95888	20.502	ug/l	98
89) n-Butylbenzene	13.703	91	175062	21.072	ug/l	98
90) Hexachloroethane	13.965	117	35348	20.063	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	88935	20.601	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8632	20.149	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	56655	20.477	ug/l	99
94) Hexachlorobutadiene	15.117	225	31096	20.989	ug/l	97
95) Naphthalene	15.239	128	129930	20.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51786	21.042	ug/l	99

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

