

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015940.D
 Acq On : 12 Oct 2023 17:56
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/13/2023
 Supervised By :Semsettin Yesilyurt 10/13/2023

Quant Time: Oct 13 12:57:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 09:06:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	219893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	25816	10.287	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.580%#		
35) Dibromofluoromethane	7.716	113	22764	10.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.080%#		
50) Toluene-d8	10.179	98	84998	10.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.020%#		
62) 4-Bromofluorobenzene	12.483	95	30792	10.180	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.360%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18171	9.876	ug/l	92
3) Chloromethane	2.113	50	37095	9.248	ug/l	99
4) Vinyl Chloride	2.247	62	23973	10.185	ug/l	98
5) Bromomethane	2.649	94	13588	10.206	ug/l	94
6) Chloroethane	2.790	64	17496	11.396	ug/l	99
7) Trichlorofluoromethane	3.119	101	39403	9.870	ug/l	99
8) Diethyl Ether	3.527	74	15393	10.317	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	23374	10.297	ug/l	95
10) Methyl Iodide	4.088	142	25746	9.863	ug/l	94
11) Tert butyl alcohol	4.923	59	109799	75.499	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	21788	10.189	ug/l	91
13) Acrolein	3.735	56	21910	46.226	ug/l	100
14) Allyl chloride	4.478	41	33972	9.831	ug/l	92
15) Acrylonitrile	5.173	53	60151	45.763	ug/l	96
16) Acetone	3.960	43	62617	42.709	ug/l	91
17) Carbon Disulfide	4.192	76	65281	9.988	ug/l	100
18) Methyl Acetate	4.484	43	48428	9.577	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	70432	9.825	ug/l	100
20) Methylene Chloride	4.716	84	39368	10.896	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	25189	10.077	ug/l	92
22) Diisopropyl ether	6.124	45	73977	10.309	ug/l	97
23) Vinyl Acetate	6.063	43	235796	49.949	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	43275	10.136	ug/l	95
25) 2-Butanone	7.002	43	90130	41.086	ug/l	96
26) 2,2-Dichloropropane	6.984	77	37124	10.471	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	27643	9.835	ug/l	96
28) Bromochloromethane	7.338	49	20661	10.844	ug/l	95
29) Tetrahydrofuran	7.356	42	67218	46.217	ug/l	93
30) Chloroform	7.508	83	45628	10.296	ug/l	94
31) Cyclohexane	7.783	56	42274	10.582	ug/l #	89
32) 1,1,1-Trichloroethane	7.703	97	39431	10.005	ug/l	98
36) 1,1-Dichloropropene	7.917	75	35189	10.281	ug/l	100
37) Ethyl Acetate	7.075	43	45095m	8.397	ug/l	
38) Carbon Tetrachloride	7.899	117	36789	10.206	ug/l	94
39) Methylcyclohexane	9.185	83	43640	9.938	ug/l	90
40) Benzene	8.161	78	99906	10.088	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	17929m	10.315	ug/l	
42) 1,2-Dichloroethane	8.240	62	32297	10.164	ug/l	91
43) Isopropyl Acetate	8.277	43	52938	9.348	ug/l	94
44) Trichloroethene	8.941	130	29980	9.824	ug/l	99
45) 1,2-Dichloropropane	9.221	63	25921	10.258	ug/l	97
46) Dibromomethane	9.307	93	17578	9.896	ug/l	97
47) Bromodichloromethane	9.502	83	35710	9.956	ug/l	100
48) Methyl methacrylate	9.295	41	23999	9.577	ug/l	84
49) 1,4-Dioxane	9.313	88	10260m	203.158	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	191595	45.824	ug/l #	85
52) Toluene	10.246	92	64205	10.140	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	40099	9.971	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	43394	10.038	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	26269	10.388	ug/l	97
56) Ethyl methacrylate	10.514	69	38139	9.634	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	43901	10.233	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	98399	56.641	ug/l	93
59) 2-Hexanone	10.831	43	170715	47.832	ug/l	89
60) Dibromochloromethane	10.983	129	28252	9.824	ug/l	98
61) 1,2-Dibromoethane	11.093	107	27348	9.994	ug/l	97
64) Tetrachloroethene	10.721	164	26688	9.195	ug/l	96
65) Chlorobenzene	11.520	112	70430	10.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	25370	9.824	ug/l	97
67) Ethyl Benzene	11.593	91	120929	9.913	ug/l	98
68) m/p-Xylenes	11.703	106	94677	20.111	ug/l	96
69) o-Xylene	12.032	106	44443	9.874	ug/l	99
70) Styrene	12.044	104	76565	9.996	ug/l	95
71) Bromoform	12.209	173	21733	9.882	ug/l #	98
73) Isopropylbenzene	12.331	105	119168	10.007	ug/l	99
74) N-amyl acetate	12.148	43	46407	9.647	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	37048	10.129	ug/l	96
76) 1,2,3-Trichloropropane	12.635	75	33759m	10.930	ug/l	
77) Bromobenzene	12.611	156	29669	9.925	ug/l	92
78) n-propylbenzene	12.672	91	147592	10.192	ug/l	100
79) 2-Chlorotoluene	12.757	91	82333	10.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	98457	9.952	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	13217	9.458	ug/l	95
82) 4-Chlorotoluene	12.855	91	85217	10.124	ug/l	99
83) tert-Butylbenzene	13.074	119	89038	10.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	100416	10.112	ug/l	99
85) sec-Butylbenzene	13.257	105	130597	10.122	ug/l	99
86) p-Isopropyltoluene	13.373	119	108488	10.063	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	58104	10.121	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	59236	10.218	ug/l	97
89) n-Butylbenzene	13.696	91	102597	10.120	ug/l	98
90) Hexachloroethane	13.965	117	20866	10.098	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	54269	10.075	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9562	9.139	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	34244	9.673	ug/l	98
94) Hexachlorobutadiene	15.111	225	17864	9.938	ug/l	98
95) Naphthalene	15.239	128	106137	9.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	33125	9.759	ug/l	98

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

