

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015939.D
 Acq On : 12 Oct 2023 17:33
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 13 12:53:26 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	207535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	314533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10572	4.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.920%#		
35) Dibromofluoromethane	7.722	113	9319	4.372	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.740%#		
50) Toluene-d8	10.185	98	33786	4.232	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.460%#		
62) 4-Bromofluorobenzene	12.483	95	12602	4.433	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	7559	4.353	ug/l	90
3) Chloromethane	2.113	50	20588	3.322	ug/l	95
4) Vinyl Chloride	2.247	62	10040	4.520	ug/l	97
5) Bromomethane	2.649	94	5585	4.445	ug/l	98
6) Chloroethane	2.790	64	7382m	5.095	ug/l	
7) Trichlorofluoromethane	3.119	101	16805	4.460	ug/l	96
8) Diethyl Ether	3.527	74	6830	4.850	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	9641	4.500	ug/l	97
10) Methyl Iodide	4.088	142	10144	4.117	ug/l	96
11) Tert butyl alcohol	4.936	59	75328	54.881	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	8976	4.447	ug/l	90
13) Acrolein	3.741	56	10565	23.618	ug/l	95
14) Allyl chloride	4.478	41	14863	4.557	ug/l	92
15) Acrylonitrile	5.186	53	32367	26.091	ug/l	93
16) Acetone	3.978	43	35432	25.606	ug/l #	85
17) Carbon Disulfide	4.192	76	26951	4.369	ug/l	99
18) Methyl Acetate	4.491	43	25084	5.256	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	30975	4.578	ug/l	92
20) Methylene Chloride	4.716	84	22491	4.808	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	10718	4.543	ug/l	89
22) Diisopropyl ether	6.131	45	30431	4.493	ug/l	97
23) Vinyl Acetate	6.070	43	102104	22.917	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	18024	4.473	ug/l	96
25) 2-Butanone	7.002	43	49921	24.112	ug/l	95
26) 2,2-Dichloropropane	6.990	77	17411	5.203	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	11640	4.388	ug/l	98
28) Bromochloromethane	7.338	49	8550	4.755	ug/l	93
29) Tetrahydrofuran	7.362	42	36144	26.332	ug/l	90
30) Chloroform	7.514	83	18669	4.464	ug/l	95
31) Cyclohexane	7.783	56	19480	5.167	ug/l #	75
32) 1,1,1-Trichloroethane	7.710	97	16807	4.518	ug/l	98
36) 1,1-Dichloropropene	7.923	75	13958	4.340	ug/l	98
37) Ethyl Acetate	7.088	43	23311	4.619	ug/l	99
38) Carbon Tetrachloride	7.899	117	14660	4.328	ug/l	97
39) Methylcyclohexane	9.185	83	17943	4.348	ug/l	92
40) Benzene	8.161	78	41811	4.493	ug/l	99

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	8299m	5.081	ug/l	
42) 1,2-Dichloroethane	8.240	62	13814	4.626	ug/l	91
43) Isopropyl Acetate	8.277	43	25136	4.723	ug/l	95
44) Trichloroethene	8.941	130	12926	4.507	ug/l	98
45) 1,2-Dichloropropane	9.215	63	10445	4.398	ug/l	95
46) Dibromomethane	9.313	93	7830	4.691	ug/l	96
47) Bromodichloromethane	9.496	83	15219	4.515	ug/l	92
48) Methyl methacrylate	9.295	41	10813	4.591	ug/l	87
49) 1,4-Dioxane	9.349	88	5256m	110.746	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	98720	25.124	ug/l	92
52) Toluene	10.246	92	26179	4.400	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	16712	4.422	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	17634	4.341	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	11353	4.777	ug/l	91
56) Ethyl methacrylate	10.514	69	15875	4.267	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	18521	4.594	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	45484	27.860	ug/l	95
59) 2-Hexanone	10.837	43	81673	24.351	ug/l	90
60) Dibromochloromethane	10.983	129	11865	4.390	ug/l	99
61) 1,2-Dibromoethane	11.087	107	11933	4.640	ug/l	99
64) Tetrachloroethene	10.721	164	12456	4.543	ug/l	93
65) Chlorobenzene	11.514	112	29805	4.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	10812	4.432	ug/l	97
67) Ethyl Benzene	11.593	91	50309	4.366	ug/l	98
68) m/p-Xylenes	11.703	106	37741	8.487	ug/l	96
69) o-Xylene	12.032	106	17987	4.231	ug/l	99
70) Styrene	12.044	104	30137	4.165	ug/l	97
71) Bromoform	12.209	173	9150	4.404	ug/l #	98
73) Isopropylbenzene	12.331	105	47629	4.268	ug/l	99
74) N-amyl acetate	12.148	43	19288	4.278	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	16520	4.819	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	15111m	5.220	ug/l	
77) Bromobenzene	12.611	156	12730	4.544	ug/l	91
78) n-propylbenzene	12.672	91	58174	4.287	ug/l	100
79) 2-Chlorotoluene	12.757	91	33566	4.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	39044	4.211	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	5585	4.264	ug/l	97
82) 4-Chlorotoluene	12.855	91	34282	4.345	ug/l	98
83) tert-Butylbenzene	13.074	119	33455	4.106	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	39337	4.227	ug/l	99
85) sec-Butylbenzene	13.257	105	51585	4.266	ug/l	98
86) p-Isopropyltoluene	13.373	119	42448	4.201	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	24057	4.471	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	24518	4.513	ug/l	93
89) n-Butylbenzene	13.696	91	40427	4.255	ug/l	98
90) Hexachloroethane	13.964	117	8515	4.397	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	23066	4.569	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4786	4.881	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	14334	4.320	ug/l	97
94) Hexachlorobutadiene	15.111	225	7340	4.357	ug/l	99
95) Naphthalene	15.239	128	45936	4.268	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	14177	4.457	ug/l	99

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

