

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
 Data File : VY020612.D
 Acq On : 17 Dec 2024 09:38
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:51:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 00:47:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	168231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	266232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	230645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	11420	6.198	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	12.400%#	
35) Dibromofluoromethane	7.634	113	10378	5.531	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	11.060%#	
50) Toluene-d8	10.103	98	39502	6.015	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	12.020%#	
62) 4-Bromofluorobenzene	12.408	95	15338	5.970	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	11.940%#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13405	6.379	ug/l	100
3) Chloromethane	2.074	50	10637	6.832	ug/l	93
4) Vinyl Chloride	2.208	62	9876	6.815	ug/l	97
5) Bromomethane	2.598	94	6357	6.824	ug/l	87
6) Chloroethane	2.732	64	5975	6.672	ug/l	98
7) Trichlorofluoromethane	3.062	101	20374	6.719	ug/l	93
8) Diethyl Ether	3.458	74	7119	6.695	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.812	101	14115	6.494	ug/l	98
10) Methyl Iodide	4.007	142	15015	6.205	ug/l	97
11) Tert butyl alcohol	4.848	59	10625	44.616	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	13864	6.574	ug/l	94
13) Acrolein	3.659	56	3529	40.507	ug/l	100
14) Allyl chloride	4.391	41	24045	6.507	ug/l	99
15) Acrylonitrile	5.055	53	15683	30.827	ug/l	99
16) Acetone	3.872	43	14402	34.258	ug/l	94
17) Carbon Disulfide	4.110	76	44359	6.462	ug/l	98
18) Methyl Acetate	4.385	43	8559	6.828	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	34328	6.307	ug/l	97
20) Methylene Chloride	4.622	84	15772	6.885	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	14980	6.333	ug/l	94
22) Diisopropyl ether	6.018	45	45969	6.129	ug/l #	88
23) Vinyl Acetate	5.964	43	128170	30.171	ug/l	100
24) 1,1-Dichloroethane	5.921	63	27132	6.175	ug/l	99
25) 2-Butanone	6.896	43	23571	34.424	ug/l	94
26) 2,2-Dichloropropane	6.890	77	29166	7.021	ug/l	93
27) cis-1,2-Dichloroethene	6.890	96	16541	6.078	ug/l	89
28) Bromochloromethane	7.250	49	7839	5.289	ug/l #	100
29) Tetrahydrofuran	7.262	42	13698	31.690	ug/l	99
30) Chloroform	7.421	83	37923	7.375	ug/l	99
31) Cyclohexane	7.707	56	28103	6.689	ug/l #	89
32) 1,1,1-Trichloroethane	7.616	97	24425	6.050	ug/l	99
36) 1,1-Dichloropropene	7.835	75	21482	6.279	ug/l	97
37) Ethyl Acetate	6.982	43	10625	6.602	ug/l #	79
38) Carbon Tetrachloride	7.817	117	22467	5.935	ug/l	98
39) Methylcyclohexane	9.103	83	26307	5.899	ug/l	98
40) Benzene	8.079	78	61021	6.085	ug/l	97

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41) Methacrylonitrile	7.219	41	5044	4.784	ug/l	93
42) 1,2-Dichloroethane	8.152	62	15813	5.945	ug/l	95
43) Isopropyl Acetate	8.195	43	18369	6.029	ug/l	98
44) Trichloroethene	8.866	130	14441	5.860	ug/l	100
45) 1,2-Dichloropropane	9.140	63	14351	6.123	ug/l	100
46) Dibromomethane	9.231	93	7221	5.830	ug/l	98
47) Bromodichloromethane	9.426	83	19812	5.921	ug/l	94
48) Methyl methacrylate	9.225	41	8181	5.648	ug/l	96
49) 1,4-Dioxane	9.237	88	1769	124.528	ug/l #	83
51) 4-Methyl-2-Pentanone	9.999	43	51589	32.078	ug/l	99
52) Toluene	10.170	92	36494	5.856	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	18229	5.847	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	21475	5.813	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	9765	5.963	ug/l	95
56) Ethyl methacrylate	10.438	69	13277	5.588	ug/l	98
57) 1,3-Dichloropropane	10.719	76	17812	6.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	27203	27.211	ug/l	99
59) 2-Hexanone	10.755	43	29120	28.202	ug/l	98
60) Dibromochloromethane	10.908	129	12684	5.791	ug/l	95
61) 1,2-Dibromoethane	11.011	107	9266	6.083	ug/l	95
64) Tetrachloroethene	10.646	164	12938	5.964	ug/l	95
65) Chlorobenzene	11.438	112	39230	6.083	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	13025	5.906	ug/l	97
67) Ethyl Benzene	11.517	91	69276	5.823	ug/l	97
68) m/p-Xylenes	11.627	106	51309	11.599	ug/l	100
69) o-Xylene	11.956	106	23634	5.726	ug/l	96
70) Styrene	11.969	104	38246	5.546	ug/l	96
71) Bromoform	12.133	173	7504	6.052	ug/l #	98
73) Isopropylbenzene	12.255	105	64335	5.918	ug/l	100
74) N-amyl acetate	12.072	43	14179	5.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	10866	6.158	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	8988m	4.097	ug/l	
77) Bromobenzene	12.529	156	14272	6.027	ug/l	98
78) n-propylbenzene	12.597	91	77118	5.888	ug/l	100
79) 2-Chlorotoluene	12.682	91	44418	6.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	51037	5.786	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	3843	6.234	ug/l	97
82) 4-Chlorotoluene	12.779	91	45618	5.968	ug/l	99
83) tert-Butylbenzene	12.999	119	45822	5.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	49988	5.778	ug/l	97
85) sec-Butylbenzene	13.176	105	66261	5.705	ug/l	98
86) p-Isopropyltoluene	13.292	119	55077	5.752	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	27898	5.969	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	27443	5.928	ug/l	94
89) n-Butylbenzene	13.621	91	50386	5.552	ug/l	99
90) Hexachloroethane	13.877	117	11416	6.016	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	24747	6.111	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1655	5.777	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	12871	5.254	ug/l	97
94) Hexachlorobutadiene	15.029	225	8656	5.405	ug/l	100
95) Naphthalene	15.145	128	20245	4.821	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	10956	5.293	ug/l	98

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

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