

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
 Data File : VY020547.D
 Acq On : 09 Dec 2024 11:26
 Operator : SY/MD
 Sample : VY1209SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS01

Quant Time: Dec 10 03:57:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/10/2024
 Supervised By :Semsettin Yesilyurt 12/10/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	181027	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	283049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	232872	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	115042	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80692	43.829	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.660%
35) Dibromofluoromethane	7.634	113	81053	45.486	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.980%
50) Toluene-d8	10.103	98	303798	44.773	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.540%
62) 4-Bromofluorobenzene	12.408	95	104745	44.138	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30247	17.129	ug/l	96
3) Chloromethane	2.068	50	29509	16.505	ug/l	97
4) Vinyl Chloride	2.202	62	31373	17.211	ug/l	98
5) Bromomethane	2.592	94	19221	17.971	ug/l	90
6) Chloroethane	2.732	64	19847	17.764	ug/l	97
7) Trichlorofluoromethane	3.062	101	63183	18.506	ug/l	89
8) Diethyl Ether	3.452	74	18464	19.087	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	38683	19.446	ug/l	97
10) Methyl Iodide	4.000	142	41019	18.368	ug/l	96
11) Tert butyl alcohol	4.854	59	13235	110.819	ug/l	100
12) 1,1-Dichloroethene	3.787	96	36073	19.196	ug/l	87
13) Acrolein	3.653	56	10506	93.957	ug/l	97
14) Allyl chloride	4.378	41	61035	18.211	ug/l	95
15) Acrylonitrile	5.055	53	40785	101.191	ug/l	99
16) Acetone	3.866	43	44111	96.358	ug/l	99
17) Carbon Disulfide	4.104	76	85118	15.826	ug/l	98
18) Methyl Acetate	4.385	43	19858	20.410	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	93223	19.425	ug/l	96
20) Methylene Chloride	4.616	84	38423	19.731	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	38658	18.521	ug/l	95
22) Diisopropyl ether	6.018	45	128572	19.291	ug/l	96
23) Vinyl Acetate	5.957	43	334099	94.775	ug/l	97
24) 1,1-Dichloroethane	5.915	63	76629	19.098	ug/l	99
25) 2-Butanone	6.896	43	55715	96.383	ug/l	97
26) 2,2-Dichloropropane	6.884	77	72487	19.100	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	47367	19.435	ug/l	97
28) Bromochloromethane	7.238	49	24964	16.661	ug/l	91
29) Tetrahydrofuran	7.256	42	32423	98.319	ug/l	97
30) Chloroform	7.421	83	78824	19.141	ug/l	97
31) Cyclohexane	7.701	56	61702	17.010	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	75870	19.134	ug/l	96
36) 1,1-Dichloropropene	7.835	75	55041	18.291	ug/l	98
37) Ethyl Acetate	6.982	43	22969	19.267	ug/l	97
38) Carbon Tetrachloride	7.817	117	68473	19.066	ug/l	98
39) Methylcyclohexane	9.109	83	66897	17.915	ug/l	97
40) Benzene	8.079	78	167851	18.919	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14176m	20.917	ug/l	
42) 1,2-Dichloroethane	8.158	62	44758	19.199	ug/l	100
43) Isopropyl Acetate	8.195	43	46181	19.184	ug/l #	88
44) Trichloroethene	8.865	130	41708	19.069	ug/l	97
45) 1,2-Dichloropropane	9.140	63	39386	18.970	ug/l	97
46) Dibromomethane	9.231	93	19527	18.996	ug/l	93
47) Bromodichloromethane	9.420	83	58786	19.410	ug/l	97
48) Methyl methacrylate	9.219	41	21609	19.250	ug/l	95
49) 1,4-Dioxane	9.219	88	4418	449.633	ug/l	91
51) 4-Methyl-2-Pentanone	9.993	43	116208	97.749	ug/l	97
52) Toluene	10.170	92	107556	19.430	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	53302	19.603	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	62217	19.362	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	27410	19.989	ug/l	98
56) Ethyl methacrylate	10.438	69	37205	19.175	ug/l	96
57) 1,3-Dichloropropane	10.713	76	48875	19.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	77480	85.289	ug/l	95
59) 2-Hexanone	10.761	43	82598	96.308	ug/l	95
60) Dibromochloromethane	10.908	129	37743	19.770	ug/l	97
61) 1,2-Dibromoethane	11.011	107	24792	19.771	ug/l	99
64) Tetrachloroethene	10.646	164	36799	18.701	ug/l	94
65) Chlorobenzene	11.438	112	114880	19.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	41422	20.010	ug/l	97
67) Ethyl Benzene	11.517	91	211358	19.318	ug/l	99
68) m/p-Xylenes	11.627	106	156530	39.071	ug/l	99
69) o-Xylene	11.950	106	73731	19.644	ug/l	99
70) Styrene	11.969	104	124709	19.916	ug/l	99
71) Bromoform	12.133	173	21839	20.750	ug/l #	99
73) Isopropylbenzene	12.255	105	207245	18.619	ug/l	100
74) N-amyl acetate	12.072	43	40337	18.489	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	30229	18.885	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	22407m	19.120	ug/l	
77) Bromobenzene	12.529	156	43688	18.953	ug/l	95
78) n-propylbenzene	12.597	91	245464	18.626	ug/l	98
79) 2-Chlorotoluene	12.682	91	138223	18.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	168954	18.941	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	10798	18.906	ug/l	95
82) 4-Chlorotoluene	12.779	91	143258	18.878	ug/l	99
83) tert-Butylbenzene	12.999	119	153504	19.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	165140	19.047	ug/l	99
85) sec-Butylbenzene	13.176	105	220065	19.041	ug/l	99
86) p-Isopropyltoluene	13.291	119	183519	19.215	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	86180	19.386	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	84797	19.484	ug/l	98
89) n-Butylbenzene	13.621	91	171200	19.327	ug/l	99
90) Hexachloroethane	13.883	117	34972	18.789	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	74687	19.811	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4797	19.795	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	43479	20.510	ug/l	100
94) Hexachlorobutadiene	15.029	225	29580	19.946	ug/l	99
95) Naphthalene	15.145	128	68708	20.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	35263	20.615	ug/l	100

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

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