

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019758.D
 Acq On : 02 Oct 2024 12:36
 Operator : SY/MD
 Sample : VY1002SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1002SBS01

Quant Time: Oct 03 02:44:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
 Supervised By :Mahesh Dadoda 10/03/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	305432	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	526776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	441882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206775	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	154624	54.672	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.340%
35) Dibromofluoromethane	7.634	113	154814	51.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.660%
50) Toluene-d8	10.109	98	552191	49.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.401	95	199464	46.958	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.920%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	38335	20.551	ug/l	94
3) Chloromethane	2.074	50	42835	16.951	ug/l	99
4) Vinyl Chloride	2.208	62	52529	19.224	ug/l	99
5) Bromomethane	2.598	94	36326	21.643	ug/l	96
6) Chloroethane	2.739	64	38866	21.758	ug/l	94
7) Trichlorofluoromethane	3.062	101	95003	20.857	ug/l	96
8) Diethyl Ether	3.458	74	30976	20.259	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.824	101	59693	21.185	ug/l	94
10) Methyl Iodide	4.007	142	57071	15.798	ug/l	93
11) Tert butyl alcohol	4.866	59	33593	147.078	ug/l #	97
12) 1,1-Dichloroethene	3.793	96	49853	18.397	ug/l	87
13) Acrolein	3.659	56	10519	86.282	ug/l	96
14) Allyl chloride	4.385	41	90787	18.682	ug/l #	93
15) Acrylonitrile	5.067	53	70320	106.664	ug/l	96
16) Acetone	3.873	43	99541	147.734	ug/l #	85
17) Carbon Disulfide	4.104	76	92218	12.595	ug/l	99
18) Methyl Acetate	4.391	43	34847	19.058	ug/l	91
19) Methyl tert-butyl Ether	5.116	73	168074	21.899	ug/l	98
20) Methylene Chloride	4.622	84	69228	22.529	ug/l #	88
21) trans-1,2-Dichloroethene	5.116	96	53490	18.009	ug/l	91
22) Diisopropyl ether	6.018	45	219056	21.951	ug/l #	87
23) Vinyl Acetate	5.964	43	605045	106.148	ug/l #	92
24) 1,1-Dichloroethane	5.915	63	120515	21.521	ug/l	96
25) 2-Butanone	6.896	43	124932	130.369	ug/l #	87
26) 2,2-Dichloropropane	6.884	77	117226	23.208	ug/l	93
27) cis-1,2-Dichloroethene	6.896	96	73553	20.386	ug/l	84
28) Bromochloromethane	7.244	49	48636	20.643	ug/l	84
29) Tetrahydrofuran	7.262	42	60295	103.483	ug/l #	85
30) Chloroform	7.421	83	127695	22.338	ug/l	96
31) Cyclohexane	7.701	56	87277	17.243	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	111631	21.787	ug/l	97
36) 1,1-Dichloropropene	7.835	75	77928	19.175	ug/l	95
37) Ethyl Acetate	6.988	43	43145	20.720	ug/l	98
38) Carbon Tetrachloride	7.817	117	92844	20.258	ug/l	98
39) Methylcyclohexane	9.109	83	92887	17.175	ug/l	91
40) Benzene	8.079	78	247918	19.806	ug/l	99

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 Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	22554	18.581	ug/l	88
42) 1,2-Dichloroethane	8.158	62	73494	21.819	ug/l	96
43) Isopropyl Acetate	8.195	43	91809	20.986	ug/l #	89
44) Trichloroethene	8.866	130	62368	19.373	ug/l	91
45) 1,2-Dichloropropane	9.140	63	64778	21.168	ug/l	97
46) Dibromomethane	9.231	93	35220	21.046	ug/l	92
47) Bromodichloromethane	9.426	83	99632	22.148	ug/l	96
48) Methyl methacrylate	9.219	41	40345	19.529	ug/l	84
49) 1,4-Dioxane	9.231	88	7990	405.571	ug/l #	74
51) 4-Methyl-2-Pentanone	9.999	43	234452	106.524	ug/l	91
52) Toluene	10.170	92	160250	19.905	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	87655	20.441	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	100098	20.047	ug/l #	88
55) 1,1,2-Trichloroethane	10.573	97	49350	21.354	ug/l	96
56) Ethyl methacrylate	10.438	69	70334	20.035	ug/l #	79
57) 1,3-Dichloropropane	10.719	76	84130	21.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	158772	97.444	ug/l	98
59) 2-Hexanone	10.762	43	186941	115.855	ug/l	88
60) Dibromochloromethane	10.908	129	64380	21.059	ug/l	99
61) 1,2-Dibromoethane	11.011	107	44418	20.628	ug/l	99
64) Tetrachloroethene	10.646	164	52256	19.097	ug/l	96
65) Chlorobenzene	11.438	112	182793	21.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	66306	22.032	ug/l	97
67) Ethyl Benzene	11.517	91	324168	20.989	ug/l	99
68) m/p-Xylenes	11.627	106	237850	40.729	ug/l	92
69) o-Xylene	11.950	106	118711	20.786	ug/l	92
70) Styrene	11.969	104	199947	20.736	ug/l	95
71) Bromoform	12.127	173	35871	20.868	ug/l #	95
73) Isopropylbenzene	12.249	105	324913	21.660	ug/l	98
74) N-amyl acetate	12.066	43	83469	20.459	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	59090	22.193	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	40598m	20.948	ug/l	
77) Bromobenzene	12.529	156	68966	20.729	ug/l	88
78) n-propylbenzene	12.590	91	385886	21.703	ug/l	99
79) 2-Chlorotoluene	12.676	91	261242	25.212	ug/l	88
80) 1,3,5-Trimethylbenzene	12.731	105	263560	21.612	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	19009	18.829	ug/l #	87
82) 4-Chlorotoluene	12.773	91	227814	21.386	ug/l	96
83) tert-Butylbenzene	12.993	119	240161	21.753	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	260515	21.581	ug/l	97
85) sec-Butylbenzene	13.170	105	350637	21.862	ug/l	99
86) p-Isopropyltoluene	13.285	119	287558	21.914	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	144697	22.382	ug/l	95
88) 1,4-Dichlorobenzene	13.365	146	140694	21.929	ug/l	96
89) n-Butylbenzene	13.615	91	274018	21.844	ug/l	99
90) Hexachloroethane	13.877	117	56712	20.771	ug/l	91
91) 1,2-Dichlorobenzene	13.657	146	128148	22.214	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9284	20.922	ug/l	78
93) 1,2,4-Trichlorobenzene	14.913	180	70229	20.016	ug/l	98
94) Hexachlorobutadiene	15.017	225	38395	20.484	ug/l	98
95) Naphthalene	15.139	128	132699	18.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	59915	19.964	ug/l	98

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

