

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102124\
 Data File : VY019957.D
 Acq On : 21 Oct 2024 12:14
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 10/22/2024
 Supervised By :Mahesh Dadoda 10/22/2024

Quant Time: Oct 22 01:22:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	230066	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	405171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143958	50.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	136504	51.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.100%			
50) Toluene-d8	10.103	98	482417	48.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.401	95	176308	49.419	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	37679	17.593	ug/l	90
3) Chloromethane	2.068	50	51683	18.541	ug/l	98
4) Vinyl Chloride	2.202	62	58929	19.211	ug/l	100
5) Bromomethane	2.592	94	38119	19.633	ug/l	94
6) Chloroethane	2.732	64	41117	19.953	ug/l	97
7) Trichlorofluoromethane	3.055	101	89563	19.622	ug/l	96
8) Diethyl Ether	3.458	74	27189	19.600	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.824	101	52634	19.825	ug/l	91
10) Methyl Iodide	4.007	142	44620	16.617	ug/l #	88
11) Tert butyl alcohol	4.854	59	28317	113.823	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	45192	18.310	ug/l #	80
13) Acrolein	3.647	56	18023	86.585	ug/l	96
14) Allyl chloride	4.385	41	87910	19.741	ug/l #	90
15) Acrylonitrile	5.061	53	67501	106.385	ug/l	96
16) Acetone	3.866	43	84503	114.593	ug/l #	83
17) Carbon Disulfide	4.104	76	91010	13.757	ug/l	96
18) Methyl Acetate	4.391	43	31024	19.530	ug/l	89
19) Methyl tert-butyl Ether	5.122	73	145530	20.524	ug/l	98
20) Methylene Chloride	4.616	84	56870	20.394	ug/l #	82
21) trans-1,2-Dichloroethene	5.116	96	48787	18.162	ug/l	87
22) Diisopropyl ether	6.018	45	215826	22.250	ug/l #	88
23) Vinyl Acetate	5.963	43	578701	104.067	ug/l #	89
24) 1,1-Dichloroethane	5.915	63	113776	21.101	ug/l	94
25) 2-Butanone	6.896	43	108288	109.707	ug/l #	84
26) 2,2-Dichloropropane	6.890	77	96255	20.045	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	67075	20.205	ug/l	81
28) Bromochloromethane	7.244	49	52894	22.287	ug/l #	70
29) Tetrahydrofuran	7.262	42	57645	102.282	ug/l #	83
30) Chloroform	7.421	83	121481	22.101	ug/l	98
31) Cyclohexane	7.701	56	84825	17.921	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	99094	20.572	ug/l	95
36) 1,1-Dichloropropene	7.835	75	72904	18.927	ug/l	95
37) Ethyl Acetate	6.988	43	41956	20.889	ug/l #	95
38) Carbon Tetrachloride	7.823	117	81068	19.632	ug/l	99
39) Methylcyclohexane	9.109	83	84245	17.358	ug/l	91
40) Benzene	8.079	78	233964	20.070	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	20788	19.123	ug/l	88
42) 1,2-Dichloroethane	8.158	62	69648	20.796	ug/l	93
43) Isopropyl Acetate	8.201	43	85722	20.927	ug/l #	79
44) Trichloroethene	8.865	130	55731	19.739	ug/l	90
45) 1,2-Dichloropropane	9.140	63	62060	21.269	ug/l	94
46) Dibromomethane	9.231	93	31585	19.813	ug/l	91
47) Bromodichloromethane	9.420	83	90613	21.414	ug/l	94
48) Methyl methacrylate	9.219	41	36562	20.292	ug/l #	81
49) 1,4-Dioxane	9.231	88	7200	403.534	ug/l #	86
51) 4-Methyl-2-Pentanone	9.999	43	221810	106.163	ug/l	89
52) Toluene	10.170	92	145826	20.040	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	75130	19.733	ug/l	92
54) cis-1,3-Dichloropropene	9.853	75	89845	19.999	ug/l #	87
55) 1,1,2-Trichloroethane	10.566	97	45705	21.761	ug/l	96
56) Ethyl methacrylate	10.438	69	60834	20.185	ug/l #	73
57) 1,3-Dichloropropane	10.719	76	77084	20.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	145253	103.531	ug/l	94
59) 2-Hexanone	10.761	43	166082	111.295	ug/l	84
60) Dibromochloromethane	10.908	129	55069	20.428	ug/l	100
61) 1,2-Dibromoethane	11.011	107	38945	20.519	ug/l	99
64) Tetrachloroethene	10.646	164	44880	17.928	ug/l #	87
65) Chlorobenzene	11.438	112	164102	20.385	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.511	131	55999	20.561	ug/l	98
67) Ethyl Benzene	11.517	91	293584	20.077	ug/l	99
68) m/p-Xylenes	11.627	106	211855	39.228	ug/l	91
69) o-Xylene	11.950	106	102577	19.768	ug/l	91
70) Styrene	11.969	104	177190	20.240	ug/l	95
71) Bromoform	12.127	173	28817	19.765	ug/l #	97
73) Isopropylbenzene	12.255	105	280336	19.422	ug/l	98
74) N-amyl acetate	12.066	43	75044	19.630	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	54060	21.078	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	36057m	10.726	ug/l	
77) Bromobenzene	12.529	156	58878	19.222	ug/l	83
78) n-propylbenzene	12.590	91	353790	20.285	ug/l	97
79) 2-Chlorotoluene	12.676	91	198285	19.831	ug/l	93
80) 1,3,5-Trimethylbenzene	12.731	105	228712	19.620	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	15826	19.002	ug/l #	80
82) 4-Chlorotoluene	12.773	91	206899	20.237	ug/l	96
83) tert-Butylbenzene	12.993	119	205171	19.647	ug/l	93
84) 1,2,4-Trimethylbenzene	13.041	105	229185	19.831	ug/l	97
85) sec-Butylbenzene	13.176	105	318782	20.432	ug/l	98
86) p-Isopropyltoluene	13.291	119	253313	19.994	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	120920	19.549	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	119938	19.737	ug/l	96
89) n-Butylbenzene	13.615	91	251003	20.289	ug/l	98
90) Hexachloroethane	13.877	117	49687	20.141	ug/l	87
91) 1,2-Dichlorobenzene	13.657	146	110461	20.324	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8459	20.666	ug/l	73
93) 1,2,4-Trichlorobenzene	14.919	180	59577	19.549	ug/l	97
94) Hexachlorobutadiene	15.023	225	33594	19.827	ug/l	98
95) Naphthalene	15.145	128	109830	19.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	50797	19.718	ug/l	96

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

