

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123024\
 Data File : VY020751.D
 Acq On : 30 Dec 2024 12:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 31 00:36:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/31/2024
 Supervised By :Semsettin Yesilyurt 12/31/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	150967	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.610	114	217748	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.414	117	183202	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	92631	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	66873	54.080	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.160%	
35) Dibromofluoromethane	7.634	113	66416	55.375	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.740%	
50) Toluene-d8	10.103	98	258628	54.080	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.160%	
62) 4-Bromofluorobenzene	12.408	95	87826	55.100	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 110.200%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	54581	45.933	ug/l	99
3) Chloromethane	2.068	50	25571	57.701	ug/l	97
4) Vinyl Chloride	2.202	62	29164	53.114	ug/l	99
5) Bromomethane	2.592	94	21479	51.811	ug/l	97
6) Chloroethane	2.733	64	17833	54.140	ug/l	98
7) Trichlorofluoromethane	3.056	101	90100	42.671	ug/l	97
8) Diethyl Ether	3.452	74	27168	54.071	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.812	101	58909	50.819	ug/l	98
10) Methyl Iodide	4.001	142	65175	51.416	ug/l	93
11) Tert butyl alcohol	4.854	59	21872	286.075	ug/l #	95
12) 1,1-Dichloroethene	3.787	96	55072	53.376	ug/l	94
13) Acrolein	3.653	56	5264	203.641	ug/l	93
14) Allyl chloride	4.379	41	72790	60.286	ug/l	86
15) Acrylonitrile	5.055	53	54768	282.160	ug/l	96
16) Acetone	3.866	43	38743	246.976	ug/l	93
17) Carbon Disulfide	4.104	76	141355	55.849	ug/l	99
18) Methyl Acetate	4.379	43	25541	60.158	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	145527	50.604	ug/l	99
20) Methylene Chloride	4.610	84	55987	54.875	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	59758	53.747	ug/l	97
22) Diisopropyl ether	6.019	45	149699	60.990	ug/l	92
23) Vinyl Acetate	5.958	43	420289	286.681	ug/l	98
24) 1,1-Dichloroethane	5.915	63	103640	56.319	ug/l	99
25) 2-Butanone	6.890	43	62896	296.812	ug/l	95
26) 2,2-Dichloropropane	6.884	77	108952	48.372	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	71637	53.802	ug/l	99
28) Bromochloromethane	7.244	49	38590	79.298	ug/l	94
29) Tetrahydrofuran	7.256	42	40723	313.082	ug/l	95
30) Chloroform	7.421	83	118491	50.054	ug/l	97
31) Cyclohexane	7.695	56	83314	52.450	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	118844	46.835	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81666	51.546	ug/l	98
37) Ethyl Acetate	6.982	43	29779	57.040	ug/l	98
38) Carbon Tetrachloride	7.811	117	115127	44.129	ug/l	97
39) Methylcyclohexane	9.109	83	103059	50.751	ug/l	98
40) Benzene	8.079	78	242396	52.791	ug/l	100

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41) Methacrylonitrile	7.220	41	13861	52.560	ug/l	89
42) 1,2-Dichloroethane	8.152	62	66294	45.027	ug/l	96
43) Isopropyl Acetate	8.195	43	60543	54.559	ug/l #	86
44) Trichloroethene	8.860	130	67616	49.303	ug/l	98
45) 1,2-Dichloropropane	9.140	63	51426	55.330	ug/l	96
46) Dibromomethane	9.231	93	32208	50.082	ug/l	96
47) Bromodichloromethane	9.420	83	88374	48.471	ug/l	95
48) Methyl methacrylate	9.213	41	28473	54.945	ug/l #	91
49) 1,4-Dioxane	9.225	88	7022	1146.306	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	151382	282.634	ug/l	100
52) Toluene	10.170	92	163306	51.892	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	80680	50.382	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	90236	51.409	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	41836	50.964	ug/l	95
56) Ethyl methacrylate	10.438	69	57457	53.278	ug/l	95
57) 1,3-Dichloropropane	10.713	76	70506	52.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	129017	343.071	ug/l	95
59) 2-Hexanone	10.756	43	101339	286.561	ug/l	99
60) Dibromochloromethane	10.908	129	61984	46.729	ug/l	99
61) 1,2-Dibromoethane	11.012	107	39447	51.069	ug/l	99
64) Tetrachloroethene	10.646	164	61467	49.109	ug/l	98
65) Chlorobenzene	11.438	112	180361	50.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	67004	48.212	ug/l	97
67) Ethyl Benzene	11.518	91	318634	50.821	ug/l	98
68) m/p-Xylenes	11.627	106	247178	103.351	ug/l	96
69) o-Xylene	11.957	106	116376	50.930	ug/l	99
70) Styrene	11.969	104	197997	51.617	ug/l	96
71) Bromoform	12.133	173	38122	47.712	ug/l #	100
73) Isopropylbenzene	12.255	105	321248	50.057	ug/l	100
74) N-amyl acetate	12.066	43	54319	59.561	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	44479	54.064	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	33114m	56.207	ug/l	
77) Bromobenzene	12.530	156	73431	49.706	ug/l	99
78) n-propylbenzene	12.597	91	369144	51.320	ug/l	99
79) 2-Chlorotoluene	12.682	91	209855	51.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	265547	49.664	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	15385	51.617	ug/l	94
82) 4-Chlorotoluene	12.780	91	216570	51.105	ug/l	99
83) tert-Butylbenzene	12.999	119	245612	49.188	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	260214	50.011	ug/l	98
85) sec-Butylbenzene	13.176	105	341125	50.690	ug/l	99
86) p-Isopropyltoluene	13.292	119	295989	49.353	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	143290	49.627	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	141497	49.264	ug/l	97
89) n-Butylbenzene	13.621	91	259027	51.740	ug/l	98
90) Hexachloroethane	13.883	117	55954	49.064	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	122813	49.608	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7823	49.027	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	76680	48.729	ug/l	99
94) Hexachlorobutadiene	15.029	225	54589	47.599	ug/l	99
95) Naphthalene	15.145	128	121561	48.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	63011	48.093	ug/l	99

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

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