

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111724\
 Data File : VY020321.D
 Acq On : 17 Nov 2024 13:16
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 01:52:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111724S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 18 01:33:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	299865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	520527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	464457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	199090	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	390611	118.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 236.760%#	
35) Dibromofluoromethane	7.634	113	315575	86.853	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 173.700%#	
50) Toluene-d8	10.109	98	1258467	95.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 191.980%#	
62) 4-Bromofluorobenzene	12.408	95	383868	96.343	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 192.680%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	261140	115.104	ug/l	96
3) Chloromethane	2.074	50	433699	111.075	ug/l	99
4) Vinyl Chloride	2.208	62	486061	112.773	ug/l	100
5) Bromomethane	2.598	94	271032	103.806	ug/l	94
6) Chloroethane	2.739	64	294059	108.612	ug/l	97
7) Trichlorofluoromethane	3.062	101	636847	107.766	ug/l	99
8) Diethyl Ether	3.458	74	158680	109.658	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	314540	109.066	ug/l	99
10) Methyl Iodide	4.007	142	340876	116.058	ug/l	100
11) Tert butyl alcohol	4.872	59	95775	535.896	ug/l	99
12) 1,1-Dichloroethene	3.793	96	304910	108.105	ug/l	96
13) Acrolein	3.653	56	142118	484.125	ug/l	97
14) Allyl chloride	4.391	41	547451	110.701	ug/l	98
15) Acrylonitrile	5.061	53	376380	578.075	ug/l	99
16) Acetone	3.873	43	417040	544.759	ug/l	98
17) Carbon Disulfide	4.110	76	1005138	113.066	ug/l	100
18) Methyl Acetate	4.385	43	169701	108.494	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	811942	112.249	ug/l	99
20) Methylene Chloride	4.622	84	328413	104.509	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	358145	112.588	ug/l	99
22) Diisopropyl ether	6.025	45	1238793	109.625	ug/l	99
23) Vinyl Acetate	5.964	43	3434712m	535.460	ug/l	
24) 1,1-Dichloroethane	5.921	63	680127	101.842	ug/l	100
25) 2-Butanone	6.896	43	563082	511.585	ug/l	100
26) 2,2-Dichloropropane	6.890	77	585151	104.633	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	415410	104.601	ug/l	98
28) Bromochloromethane	7.250	49	280749	90.576	ug/l	94
29) Tetrahydrofuran	7.268	42	315559	470.483	ug/l	97
30) Chloroform	7.427	83	800605	108.931	ug/l	97
31) Cyclohexane	7.707	56	622503	92.950	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	653417	99.623	ug/l	98
36) 1,1-Dichloropropene	7.841	75	630871	115.004	ug/l	99
37) Ethyl Acetate	6.988	43	233568	90.904	ug/l	99
38) Carbon Tetrachloride	7.823	117	666093	112.743	ug/l	97
39) Methylcyclohexane	9.109	83	683463	95.900	ug/l	96
40) Benzene	8.085	78	1771262	115.358	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	123335	84.332	ug/l	# 94
42) 1,2-Dichloroethane	8.158	62	456483	110.760	ug/l	100
43) Isopropyl Acetate	8.201	43	482176	106.365	ug/l	97
44) Trichloroethene	8.866	130	410600	108.102	ug/l	91
45) 1,2-Dichloropropane	9.140	63	351437	93.392	ug/l	97
46) Dibromomethane	9.231	93	213022	106.293	ug/l	99
47) Bromodichloromethane	9.426	83	612534	108.914	ug/l	97
48) Methyl methacrylate	9.231	41	236985	104.209	ug/l	99
49) 1,4-Dioxane	9.237	88	44816	2165.144	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	1444728	564.095	ug/l	100
52) Toluene	10.170	92	973956	101.945	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	578140	109.204	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	579485	98.827	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	290886	101.915	ug/l	97
56) Ethyl methacrylate	10.438	69	453663	111.195	ug/l	98
57) 1,3-Dichloropropane	10.719	76	511292	102.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	846490	508.573	ug/l	100
59) 2-Hexanone	10.762	43	1023322	522.470	ug/l	100
60) Dibromochloromethane	10.914	129	325516	92.508	ug/l	99
61) 1,2-Dibromoethane	11.018	107	236076	98.131	ug/l	100
64) Tetrachloroethene	10.646	164	394359	101.785	ug/l	99
65) Chlorobenzene	11.444	112	998935	97.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	321798	95.898	ug/l	98
67) Ethyl Benzene	11.517	91	1821552	96.143	ug/l	98
68) m/p-Xylenes	11.627	106	1370461	199.374	ug/l	98
69) o-Xylene	11.956	106	695307	107.431	ug/l	99
70) Styrene	11.969	104	1268441	115.696	ug/l	99
71) Bromoform	12.133	173	203564	116.943	ug/l	100
73) Isopropylbenzene	12.255	105	1716064	96.000	ug/l	100
74) N-amyl acetate	12.072	43	538897	120.693	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	282080	96.086	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	208065m	92.291	ug/l	
77) Bromobenzene	12.529	156	355961	97.757	ug/l	97
78) n-propylbenzene	12.597	91	2225362	103.040	ug/l	99
79) 2-Chlorotoluene	12.682	91	1197205	97.227	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1473232	100.326	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	96473	101.738	ug/l	95
82) 4-Chlorotoluene	12.779	91	1215234	95.822	ug/l	100
83) tert-Butylbenzene	12.999	119	1421209	107.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1362768	95.794	ug/l	100
85) sec-Butylbenzene	13.176	105	1881803	100.375	ug/l	100
86) p-Isopropyltoluene	13.292	119	1460662	98.274	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	685252	95.617	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	782472	109.364	ug/l	99
89) n-Butylbenzene	13.621	91	1751294	110.839	ug/l	99
90) Hexachloroethane	13.883	117	340884	110.160	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	706047	106.772	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	45918	102.391	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	400033	111.963	ug/l	99
94) Hexachlorobutadiene	15.023	225	188077	97.858	ug/l	98
95) Naphthalene	15.151	128	726130	118.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	303285	105.025	ug/l	98

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

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