

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021424\
 Data File : VY017377.D
 Acq On : 14 Feb 2024 12:11
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 15 02:19:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 01:05:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	123030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	201583	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	173089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	77211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124227	95.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 190.320%#			
35) Dibromofluoromethane	7.728	113	126215	98.205	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.420%#			
50) Toluene-d8	10.191	98	501750	100.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 201.500%#			
62) 4-Bromofluorobenzene	12.496	95	153206	100.353	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 200.700%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	108618	103.653	ug/l	97
3) Chloromethane	2.113	50	205287	103.543	ug/l	99
4) Vinyl Chloride	2.253	62	231564	97.878	ug/l	100
5) Bromomethane	2.650	94	161588	96.220	ug/l	95
6) Chloroethane	2.796	64	143425	95.139	ug/l	97
7) Trichlorofluoromethane	3.125	101	231246	97.283	ug/l	99
8) Diethyl Ether	3.534	74	69174	100.788	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	134105	93.774	ug/l	99
10) Methyl Iodide	4.101	142	150167	106.830	ug/l	99
11) Tert butyl alcohol	4.972	59	36478	511.471	ug/l	99
12) 1,1-Dichloroethene	3.875	96	128707	97.579	ug/l	97
13) Acrolein	3.735	56	64808	459.376	ug/l	99
14) Allyl chloride	4.485	41	193199	99.058	ug/l	98
15) Acrylonitrile	5.174	53	143591	486.326	ug/l	100
16) Acetone	3.960	43	139405	500.866	ug/l	100
17) Carbon Disulfide	4.198	76	404853	96.218	ug/l	100
18) Methyl Acetate	4.485	43	124706	98.703	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	303841	103.627	ug/l	99
20) Methylene Chloride	4.723	84	138423	103.545	ug/l	99
21) trans-1,2-Dichloroethene	5.229	96	147165	97.662	ug/l	98
22) Diisopropyl ether	6.131	45	416817	99.726	ug/l	96
23) Vinyl Acetate	6.070	43	1005253	509.204	ug/l	99
24) 1,1-Dichloroethane	6.027	63	251462	96.428	ug/l	99
25) 2-Butanone	6.996	43	195428	457.704	ug/l	98
26) 2,2-Dichloropropane	6.990	77	216479	96.922	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	162225	99.992	ug/l	99
28) Bromochloromethane	7.344	49	102130	107.435	ug/l	99
29) Tetrahydrofuran	7.356	42	116169	490.614	ug/l	99
30) Chloroform	7.515	83	251120	96.572	ug/l	99
31) Cyclohexane	7.795	56	233296	93.870	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	225186	97.602	ug/l	100
36) 1,1-Dichloropropene	7.929	75	207135	98.432	ug/l	100
37) Ethyl Acetate	7.082	43	82508	96.443	ug/l	100
38) Carbon Tetrachloride	7.911	117	201794	99.936	ug/l	99
39) Methylcyclohexane	9.191	83	261329	103.719	ug/l	98
40) Benzene	8.173	78	594496	100.835	ug/l	99

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Supervised By :Semsettin Yesilyurt 02/15/2024

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	45185	103.626	ug/l	94
42) 1,2-Dichloroethane	8.246	62	149235	99.457	ug/l	100
43) Isopropyl Acetate	8.283	43	158677	103.543	ug/l	99
44) Trichloroethene	8.947	130	151544	99.471	ug/l	98
45) 1,2-Dichloropropane	9.228	63	143495	101.130	ug/l	95
46) Dibromomethane	9.313	93	75536	102.591	ug/l	98
47) Bromodichloromethane	9.508	83	190591	100.644	ug/l	96
48) Methyl methacrylate	9.301	41	92860	114.928	ug/l	98
49) 1,4-Dioxane	9.313	88	15402	2030.124	ug/l	92
51) 4-Methyl-2-Pentanone	10.081	43	429001	515.221	ug/l	99
52) Toluene	10.252	92	364532	101.744	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	183766	104.745	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	223755	104.185	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	101422	100.441	ug/l	97
56) Ethyl methacrylate	10.520	69	101092	98.222	ug/l	98
57) 1,3-Dichloropropane	10.801	76	177001	101.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	385163	583.491	ug/l	100
59) 2-Hexanone	10.843	43	304481	508.860	ug/l	98
60) Dibromochloromethane	10.996	129	121350	103.478	ug/l	99
61) 1,2-Dibromoethane	11.099	107	94117	101.635	ug/l	100
64) Tetrachloroethene	10.734	164	128714	100.579	ug/l	97
65) Chlorobenzene	11.526	112	367630	100.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	136500	103.411	ug/l	99
67) Ethyl Benzene	11.605	91	711235	105.223	ug/l	100
68) m/p-Xylenes	11.715	106	531229	208.445	ug/l	100
69) o-Xylene	12.038	106	241161	104.603	ug/l	99
70) Styrene	12.057	104	357403	101.045	ug/l	100
71) Bromoform	12.221	173	68002	106.261	ug/l #	100
73) Isopropylbenzene	12.343	105	652088	101.343	ug/l	99
74) N-amyl acetate	12.154	43	134758	105.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	112593	97.640	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	79210m	99.435	ug/l	
77) Bromobenzene	12.624	156	137108	101.184	ug/l	98
78) n-propylbenzene	12.684	91	790998	99.854	ug/l	99
79) 2-Chlorotoluene	12.770	91	419112	96.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	517205	102.279	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	35737	102.548	ug/l	97
82) 4-Chlorotoluene	12.867	91	437226	98.253	ug/l	100
83) tert-Butylbenzene	13.087	119	448446	101.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	516072	103.382	ug/l	97
85) sec-Butylbenzene	13.264	105	659462	97.864	ug/l	99
86) p-Isopropyltoluene	13.379	119	565953	103.790	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	273078	99.574	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	257591	96.558	ug/l	99
89) n-Butylbenzene	13.709	91	537869	101.548	ug/l	99
90) Hexachloroethane	13.971	117	111286	98.460	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	223915	99.073	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	14601	101.958	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	122826	108.925	ug/l	98
94) Hexachlorobutadiene	15.123	225	66266	95.213	ug/l	100
95) Naphthalene	15.245	128	234927	119.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	102235	108.067	ug/l	99

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

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