

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021424\
 Data File : VY017375.D
 Acq On : 14 Feb 2024 11:26
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 15 00:29:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 00:25:18 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	121323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	203819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	170854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	73628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	23053	17.907	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	35.820%#		
35) Dibromofluoromethane	7.734	113	24147	18.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.160%#		
50) Toluene-d8	10.191	98	93851	18.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.280%#		
62) 4-Bromofluorobenzene	12.489	95	28007	18.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	19270	18.648	ug/l	100
3) Chloromethane	2.119	50	35953	18.389	ug/l	99
4) Vinyl Chloride	2.259	62	42948	18.409	ug/l	99
5) Bromomethane	2.655	94	29017	17.522	ug/l	98
6) Chloroethane	2.802	64	28436	19.128	ug/l	99
7) Trichlorofluoromethane	3.131	101	46283	19.745	ug/l	100
8) Diethyl Ether	3.539	74	13180	19.474	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.911	101	28476	20.192	ug/l	99
10) Methyl Iodide	4.106	142	28299	20.415	ug/l	99
11) Tert butyl alcohol	4.954	59	8197	91.296	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	25919	19.927	ug/l	96
13) Acrolein	3.734	56	12824	92.179	ug/l	96
14) Allyl chloride	4.490	41	37063	19.271	ug/l	96
15) Acrylonitrile	5.179	53	26401	90.675	ug/l	98
16) Acetone	3.960	43	32229	96.806	ug/l	98
17) Carbon Disulfide	4.210	76	84016	20.248	ug/l	100
18) Methyl Acetate	4.496	43	11725	12.892	ug/l	98
19) Methyl tert-butyl Ether	5.240	73	54991	19.019	ug/l	96
20) Methylene Chloride	4.734	84	31246	18.595	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	29605	19.923	ug/l	99
22) Diisopropyl ether	6.130	45	83153	20.175	ug/l	99
23) Vinyl Acetate	6.075	43	229172	104.609	ug/l	100
24) 1,1-Dichloroethane	6.033	63	52071	20.249	ug/l	97
25) 2-Butanone	7.002	43	40220	95.523	ug/l	98
26) 2,2-Dichloropropane	6.996	77	42686	19.380	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	31611	19.758	ug/l	100
28) Bromochloromethane	7.350	49	20270	18.482	ug/l	98
29) Tetrahydrofuran	7.362	42	21321	91.311	ug/l	98
30) Chloroform	7.520	83	51593	20.120	ug/l	96
31) Cyclohexane	7.801	56	47162	19.243	ug/l #	89
32) 1,1,1-Trichloroethane	7.715	97	45594	20.040	ug/l	99
36) 1,1-Dichloropropene	7.929	75	41906	19.696	ug/l	99
37) Ethyl Acetate	7.087	43	16148	18.668	ug/l	97
38) Carbon Tetrachloride	7.917	117	40504	19.839	ug/l	99
39) Methylcyclohexane	9.197	83	48681	19.109	ug/l	96
40) Benzene	8.173	78	118765	19.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	8173	14.294	ug/l	98
42) 1,2-Dichloroethane	8.252	62	28654	18.887	ug/l	99
43) Isopropyl Acetate	8.282	43	28497	18.391	ug/l	99
44) Trichloroethene	8.953	130	30102	19.542	ug/l	96
45) 1,2-Dichloropropane	9.227	63	28316	19.737	ug/l	95
46) Dibromomethane	9.319	93	14245	19.135	ug/l	98
47) Bromodichloromethane	9.508	83	37685	19.682	ug/l	98
48) Methyl methacrylate	9.307	41	13213	16.174	ug/l	97
49) 1,4-Dioxane	9.307	88	2665	347.418	ug/l	89
51) 4-Methyl-2-Pentanone	10.081	43	77399	91.935	ug/l	99
52) Toluene	10.258	92	72070	19.895	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	33395	18.826	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	42500	19.572	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	19571	19.169	ug/l	98
56) Ethyl methacrylate	10.520	69	21857	21.003	ug/l	98
57) 1,3-Dichloropropane	10.800	76	33176	18.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.794	63	59944	89.814	ug/l	99
59) 2-Hexanone	10.843	43	59521	98.382	ug/l	99
60) Dibromochloromethane	10.995	129	22803	19.231	ug/l	100
61) 1,2-Dibromoethane	11.099	107	17688	18.891	ug/l	99
64) Tetrachloroethene	10.733	164	25769	20.400	ug/l	98
65) Chlorobenzene	11.526	112	71977	19.871	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.599	131	25501	19.572	ug/l	99
67) Ethyl Benzene	11.605	91	131563	19.719	ug/l	98
68) m/p-Xylenes	11.715	106	101886	40.501	ug/l	99
69) o-Xylene	12.044	106	45721	20.091	ug/l	99
70) Styrene	12.056	104	74662	21.385	ug/l	99
71) Bromoform	12.221	173	12121	19.188	ug/l #	97
73) Isopropylbenzene	12.343	105	124395	20.273	ug/l	99
74) N-amyl acetate	12.154	43	23323	19.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	21336	19.403	ug/l	97
76) 1,2,3-Trichloropropane	12.641	75	14297m	11.238	ug/l	
77) Bromobenzene	12.623	156	25362	19.628	ug/l	99
78) n-propylbenzene	12.684	91	152916	20.243	ug/l	99
79) 2-Chlorotoluene	12.769	91	84034	20.386	ug/l	99
80) 1,3,5-Trimethylbenzene	12.824	105	98045	20.332	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.391	75	6319	19.015	ug/l	99
82) 4-Chlorotoluene	12.867	91	84498	19.912	ug/l	99
83) tert-Butylbenzene	13.086	119	85349	20.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	95769	20.119	ug/l	98
85) sec-Butylbenzene	13.263	105	131869	20.522	ug/l	99
86) p-Isopropyltoluene	13.379	119	104124	20.024	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	51113	19.545	ug/l	100
88) 1,4-Dichlorobenzene	13.458	146	50338	19.787	ug/l	98
89) n-Butylbenzene	13.708	91	98853	19.571	ug/l	100
90) Hexachloroethane	13.970	117	21078	19.556	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	43405	20.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	2385	17.465	ug/l	98
93) 1,2,4-Trichlorobenzene	15.019	180	20596	19.154	ug/l	99
94) Hexachlorobutadiene	15.123	225	13236	19.943	ug/l	99
95) Naphthalene	15.245	128	33297	17.794	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	16879	18.710	ug/l	96

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

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