

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017409.D
 Acq On : 19 Feb 2024 17:26
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 20 06:06:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 05:58:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	164421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	267748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	230725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	29757	21.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.360%#		
35) Dibromofluoromethane	7.722	113	31904	20.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.720%#		
50) Toluene-d8	10.185	98	123694	20.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.700%#		
62) 4-Bromofluorobenzene	12.489	95	37129	19.410	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27425	20.917	ug/l	97
3) Chloromethane	2.119	50	54939	20.532	ug/l	99
4) Vinyl Chloride	2.253	62	71645	20.565	ug/l	98
5) Bromomethane	2.650	94	59152	21.318	ug/l	99
6) Chloroethane	2.796	64	45307	20.415	ug/l	98
7) Trichlorofluoromethane	3.131	101	61190	20.480	ug/l	94
8) Diethyl Ether	3.534	74	17333	20.525	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	35438	20.521	ug/l	98
10) Methyl Iodide	4.101	142	36449	19.833	ug/l	99
11) Tert butyl alcohol	4.972	59	11349	103.913	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	33719	20.773	ug/l	98
13) Acrolein	3.735	56	16657	113.970	ug/l	97
14) Allyl chloride	4.491	41	40101	20.382	ug/l	99
15) Acrylonitrile	5.173	53	34885	103.906	ug/l	100
16) Acetone	3.960	43	31613	103.921	ug/l	92
17) Carbon Disulfide	4.204	76	106926	20.735	ug/l	97
18) Methyl Acetate	4.485	43	13589	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	73850	20.142	ug/l	97
20) Methylene Chloride	4.722	84	45298	20.681	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	38596	20.558	ug/l	97
22) Diisopropyl ether	6.131	45	93090	20.572	ug/l	98
23) Vinyl Acetate	6.070	43	276846	102.944	ug/l	99
24) 1,1-Dichloroethane	6.027	63	61554	20.064	ug/l	100
25) 2-Butanone	6.996	43	44121	103.326	ug/l	98
26) 2,2-Dichloropropane	6.990	77	53057	20.099	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	41791	20.041	ug/l	99
28) Bromochloromethane	7.344	49	20671	17.958	ug/l	97
29) Tetrahydrofuran	7.356	42	26556	105.793	ug/l	97
30) Chloroform	7.515	83	66170	20.432	ug/l	98
31) Cyclohexane	7.795	56	56022	20.147	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	56946	19.908	ug/l	98
36) 1,1-Dichloropropene	7.929	75	51117	19.528	ug/l	99
37) Ethyl Acetate	7.088	43	18936	19.867	ug/l #	97
38) Carbon Tetrachloride	7.911	117	50332	19.313	ug/l	99
39) Methylcyclohexane	9.191	83	61857	19.305	ug/l	95
40) Benzene	8.167	78	151461	19.805	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9917	21.305	ug/l	94
42) 1,2-Dichloroethane	8.246	62	36591	19.711	ug/l	98
43) Isopropyl Acetate	8.283	43	34620	20.100	ug/l	99
44) Trichloroethene	8.947	130	40601	19.586	ug/l	99
45) 1,2-Dichloropropane	9.222	63	35301	19.968	ug/l	97
46) Dibromomethane	9.313	93	19903	19.807	ug/l	99
47) Bromodichloromethane	9.502	83	48557	19.654	ug/l	94
48) Methyl methacrylate	9.301	41	16412	20.309	ug/l	99
49) 1,4-Dioxane	9.307	88	4328	411.817	ug/l #	92
51) 4-Methyl-2-Pentanone	10.075	43	92659	99.838	ug/l	99
52) Toluene	10.252	92	92683	19.412	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	44187	19.316	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	54701	19.490	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	27085	19.591	ug/l	98
56) Ethyl methacrylate	10.520	69	30357	19.818	ug/l	96
57) 1,3-Dichloropropane	10.794	76	45212	19.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	80493	97.440	ug/l	100
59) 2-Hexanone	10.837	43	64941	101.588	ug/l	98
60) Dibromochloromethane	10.996	129	31653	19.260	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25263	19.531	ug/l	100
64) Tetrachloroethene	10.727	164	35708	19.338	ug/l	98
65) Chlorobenzene	11.526	112	97434	19.602	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	35465	19.160	ug/l	98
67) Ethyl Benzene	11.599	91	171974	19.345	ug/l	99
68) m/p-Xylenes	11.709	106	134027	38.352	ug/l	99
69) o-Xylene	12.038	106	60740	18.946	ug/l	98
70) Styrene	12.050	104	101996	19.370	ug/l	98
71) Bromoform	12.215	173	18931	19.658	ug/l #	98
73) Isopropylbenzene	12.337	105	159456	19.493	ug/l	100
74) N-amyl acetate	12.148	43	28653	20.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	29156	19.942	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17912m	17.397	ug/l	
77) Bromobenzene	12.617	156	37411	19.500	ug/l	98
78) n-propylbenzene	12.678	91	197865	19.997	ug/l	99
79) 2-Chlorotoluene	12.764	91	108035	19.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	129358	19.770	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	8925	20.265	ug/l	99
82) 4-Chlorotoluene	12.861	91	109279	19.437	ug/l	98
83) tert-Butylbenzene	13.081	119	111970	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	127989	19.745	ug/l	100
85) sec-Butylbenzene	13.257	105	175639	20.014	ug/l	99
86) p-Isopropyltoluene	13.379	119	141632	19.595	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	74414	19.206	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	74446	19.900	ug/l	98
89) n-Butylbenzene	13.702	91	130545	19.858	ug/l	99
90) Hexachloroethane	13.965	117	28155	19.879	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	63712	19.536	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3751	20.298	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	33988	19.932	ug/l	98
94) Hexachlorobutadiene	15.117	225	21532	20.762	ug/l	99
95) Naphthalene	15.245	128	54615	19.563	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	28354	19.778	ug/l	98

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

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