

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020474.D
 Acq On : 02 Dec 2024 10:01
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:33:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	173855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	272895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	99204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	30540	17.272	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	34.540%#		
35) Dibromofluoromethane	7.652	113	30062	17.498	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.000%#		
50) Toluene-d8	10.115	98	115585	17.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	35.340%#		
62) 4-Bromofluorobenzene	12.414	95	39749	17.373	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	29334	17.297	ug/l	98
3) Chloromethane	2.080	50	30125	17.564	ug/l	98
4) Vinyl Chloride	2.214	62	30774	17.578	ug/l	100
5) Bromomethane	2.605	94	17681	17.213	ug/l	98
6) Chloroethane	2.751	64	19833	18.484	ug/l	100
7) Trichlorofluoromethane	3.074	101	59688	18.204	ug/l	100
8) Diethyl Ether	3.464	74	17282	18.602	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.830	101	36846	19.286	ug/l	97
10) Methyl Iodide	4.019	142	38953	18.162	ug/l	96
11) Tert butyl alcohol	4.885	59	10503	91.571	ug/l #	73
12) 1,1-Dichloroethene	3.806	96	32806	18.178	ug/l	94
13) Acrolein	3.659	56	10862	101.148	ug/l	100
14) Allyl chloride	4.397	41	59819	18.584	ug/l	95
15) Acrylonitrile	5.074	53	35750	92.357	ug/l	98
16) Acetone	3.879	43	34537	78.557	ug/l	100
17) Carbon Disulfide	4.123	76	86530	16.752	ug/l	100
18) Methyl Acetate	4.397	43	16333	17.479	ug/l	96
19) Methyl tert-butyl Ether	5.128	73	84384	18.309	ug/l	94
20) Methylene Chloride	4.635	84	34701	18.555	ug/l	96
21) trans-1,2-Dichloroethene	5.135	96	36728	18.322	ug/l	98
22) Diisopropyl ether	6.031	45	121718	19.016	ug/l	96
23) Vinyl Acetate	5.976	43	310990	91.859	ug/l	100
24) 1,1-Dichloroethane	5.933	63	73205	18.997	ug/l	100
25) 2-Butanone	6.909	43	47558	85.666	ug/l	96
26) 2,2-Dichloropropane	6.903	77	69202	18.987	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	44794	19.137	ug/l	97
28) Bromochloromethane	7.256	49	25293	17.577	ug/l	96
29) Tetrahydrofuran	7.274	42	28041	88.539	ug/l	99
30) Chloroform	7.433	83	75524	19.096	ug/l	99
31) Cyclohexane	7.707	56	63389	18.196	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	71648	18.814	ug/l	98
36) 1,1-Dichloropropene	7.848	75	54666	18.842	ug/l	99
37) Ethyl Acetate	6.994	43	20808	18.104	ug/l	98
38) Carbon Tetrachloride	7.829	117	65522	18.923	ug/l	97
39) Methylcyclohexane	9.116	83	65702	18.250	ug/l	97
40) Benzene	8.091	78	160862	18.806	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	10591	8.489	ug/l	94
42) 1,2-Dichloroethane	8.165	62	41621	18.518	ug/l	100
43) Isopropyl Acetate	8.207	43	42639	18.371	ug/l #	85
44) Trichloroethene	8.872	130	40754	19.326	ug/l	98
45) 1,2-Dichloropropane	9.146	63	38665	19.316	ug/l	97
46) Dibromomethane	9.238	93	18517	18.684	ug/l	97
47) Bromodichloromethane	9.433	83	55296	18.937	ug/l	97
48) Methyl methacrylate	9.225	41	19499	18.016	ug/l	96
49) 1,4-Dioxane	9.238	88	3332	351.726	ug/l #	94
51) 4-Methyl-2-Pentanone	10.006	43	103525	90.320	ug/l	98
52) Toluene	10.176	92	100871	18.901	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	48598	18.538	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	58282	18.812	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	24784	18.746	ug/l	99
56) Ethyl methacrylate	10.445	69	33004	17.643	ug/l	94
57) 1,3-Dichloropropane	10.725	76	43597	18.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	78881	90.062	ug/l	98
59) 2-Hexanone	10.768	43	71529	86.505	ug/l	97
60) Dibromochloromethane	10.920	129	33982	18.462	ug/l	99
61) 1,2-Dibromoethane	11.024	107	22549	18.651	ug/l	96
64) Tetrachloroethene	10.652	164	34652	18.927	ug/l	98
65) Chlorobenzene	11.451	112	104028	19.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	37502	19.471	ug/l	98
67) Ethyl Benzene	11.524	91	196572	19.310	ug/l	99
68) m/p-Xylenes	11.633	106	144999	38.899	ug/l	99
69) o-Xylene	11.963	106	67545	19.342	ug/l	97
70) Styrene	11.975	104	112029	19.228	ug/l	98
71) Bromoform	12.139	173	18279	18.666	ug/l #	99
73) Isopropylbenzene	12.261	105	189327	19.725	ug/l	99
74) N-amyl acetate	12.078	43	34108	18.130	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	26261	19.025	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	19652m	10.489	ug/l	
77) Bromobenzene	12.536	156	38634	19.436	ug/l	96
78) n-propylbenzene	12.603	91	225997	19.886	ug/l	98
79) 2-Chlorotoluene	12.688	91	128038	19.967	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	154158	20.041	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	9306	18.895	ug/l	97
82) 4-Chlorotoluene	12.786	91	129199	19.743	ug/l	99
83) tert-Butylbenzene	13.005	119	139745	20.095	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	148672	19.886	ug/l	100
85) sec-Butylbenzene	13.182	105	198601	19.927	ug/l	100
86) p-Isopropyltoluene	13.298	119	163704	19.877	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	74277	19.376	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	73525	19.592	ug/l	99
89) n-Butylbenzene	13.627	91	150436	19.694	ug/l	99
90) Hexachloroethane	13.889	117	31117	19.387	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	63283	19.466	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3799	18.180	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	32743	17.912	ug/l	98
94) Hexachlorobutadiene	15.029	225	23870	18.665	ug/l	98
95) Naphthalene	15.151	128	52412	17.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	26414	17.907	ug/l	99

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

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