

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013769.D
 Acq On : 17 May 2023 10:59
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

Quant Time: May 18 06:37:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	262971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	417035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	371626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61866	20.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.500%#
35) Dibromofluoromethane	7.716	113	52436	19.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.220%#
50) Toluene-d8	10.185	98	203648	20.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.180%#
62) 4-Bromofluorobenzene	12.483	95	67707	20.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.220%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	37214	19.710	ug/l	97
3) Chloromethane	2.113	50	56556	19.758	ug/l	99
4) Vinyl Chloride	2.253	62	55804	19.524	ug/l	97
5) Bromomethane	2.649	94	53151	20.970	ug/l	94
6) Chloroethane	2.796	64	39477	20.094	ug/l	95
7) Trichlorofluoromethane	3.131	101	82945	19.939	ug/l	97
8) Diethyl Ether	3.533	74	28001	20.116	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	49148	20.187	ug/l	97
10) Methyl Iodide	4.094	142	50599	18.917	ug/l	99
11) Tert butyl alcohol	5.003	59	26490m	107.040	ug/l	
12) 1,1-Dichloroethene	3.875	96	43263	19.604	ug/l	96
13) Acrolein	3.728	56	45859	103.730	ug/l	100
14) Allyl chloride	4.478	41	84045	19.333	ug/l	98
15) Acrylonitrile	5.167	53	83784	102.637	ug/l	98
16) Acetone	3.960	43	92065	99.890	ug/l	97
17) Carbon Disulfide	4.198	76	122109	19.256	ug/l	98
18) Methyl Acetate	4.484	43	66100	20.571	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	131417	19.628	ug/l	100
20) Methylene Chloride	4.716	84	64823	19.598	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	48721	19.607	ug/l	97
22) Diisopropyl ether	6.118	45	182657	19.753	ug/l	97
23) Vinyl Acetate	6.063	43	525207	98.153	ug/l	99
24) 1,1-Dichloroethane	6.021	63	99769	19.737	ug/l	98
25) 2-Butanone	6.990	43	122754	102.456	ug/l	98
26) 2,2-Dichloropropane	6.984	77	83133	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	56048	19.142	ug/l	96
28) Bromochloromethane	7.338	49	36021	20.366	ug/l	99
29) Tetrahydrofuran	7.350	42	73115	101.990	ug/l	99
30) Chloroform	7.508	83	98923	19.420	ug/l	96
31) Cyclohexane	7.789	56	84209	19.226	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	86070	19.795	ug/l	100
36) 1,1-Dichloropropene	7.917	75	71791	19.429	ug/l	99
37) Ethyl Acetate	7.081	43	50061	19.696	ug/l	99
38) Carbon Tetrachloride	7.905	117	75766	19.437	ug/l	98
39) Methylcyclohexane	9.185	83	80742	19.225	ug/l	96
40) Benzene	8.161	78	208110	19.381	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26099	21.285	ug/l #	78
42) 1,2-Dichloroethane	8.240	62	68198	19.657	ug/l	100
43) Isopropyl Acetate	8.276	43	92412	20.032	ug/l	99
44) Trichloroethene	8.941	130	54084	19.268	ug/l	98
45) 1,2-Dichloropropane	9.221	63	58174	19.716	ug/l	96
46) Dibromomethane	9.307	93	32291	19.540	ug/l	99
47) Bromodichloromethane	9.502	83	76960	19.665	ug/l	98
48) Methyl methacrylate	9.295	41	42519	20.064	ug/l	99
49) 1,4-Dioxane	9.307	88	8389	413.624	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	263410	102.535	ug/l	100
52) Toluene	10.246	92	127019	19.513	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	78867	19.546	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87473	19.429	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	44867	19.962	ug/l	95
56) Ethyl methacrylate	10.514	69	58535	19.515	ug/l	98
57) 1,3-Dichloropropane	10.794	76	76762	19.852	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	116578	107.278	ug/l	99
59) 2-Hexanone	10.837	43	192393	105.359	ug/l	100
60) Dibromochloromethane	10.989	129	53477	19.636	ug/l	100
61) 1,2-Dibromoethane	11.087	107	42675	20.135	ug/l	100
64) Tetrachloroethene	10.721	164	45631	19.356	ug/l	96
65) Chlorobenzene	11.520	112	135400	19.249	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	53681	19.641	ug/l	99
67) Ethyl Benzene	11.593	91	243169	19.455	ug/l	98
68) m/p-Xylenes	11.703	106	184678	39.448	ug/l	99
69) o-Xylene	12.032	106	87521	19.653	ug/l	99
70) Styrene	12.044	104	150845	19.943	ug/l	99
71) Bromoform	12.209	173	35401	19.606	ug/l #	99
73) Isopropylbenzene	12.331	105	234614	19.149	ug/l	99
74) N-amyl acetate	12.148	43	81678	19.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	57720	19.887	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	47274m	21.636	ug/l	
77) Bromobenzene	12.611	156	57949	19.606	ug/l	99
78) n-propylbenzene	12.672	91	293092	19.419	ug/l	99
79) 2-Chlorotoluene	12.757	91	164019	19.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	195366	19.555	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	19528	19.849	ug/l	99
82) 4-Chlorotoluene	12.855	91	172916	19.488	ug/l	99
83) tert-Butylbenzene	13.074	119	164512	18.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	193486	19.760	ug/l	100
85) sec-Butylbenzene	13.257	105	257824	19.641	ug/l	99
86) p-Isopropyltoluene	13.373	119	209625	19.776	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	113236	19.680	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	114216	19.741	ug/l	98
89) n-Butylbenzene	13.702	91	202061	19.443	ug/l	100
90) Hexachloroethane	13.964	117	44285	19.770	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	100717	19.657	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9813	20.866	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	60942	20.043	ug/l	99
94) Hexachlorobutadiene	15.117	225	38812	20.548	ug/l	99
95) Naphthalene	15.239	128	120650	19.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	55488	20.283	ug/l	98

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

