

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014513.D
 Acq On : 30 Jun 2023 13:41
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/03/2023
 Supervised By :Mahesh Dadoda 07/03/2023

Quant Time: Jun 30 18:46:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 15:18:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	388396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	583450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	543422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	289425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	78419	20.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.600%#		
35) Dibromofluoromethane	7.710	113	71221	19.823	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.640%#		
50) Toluene-d8	10.179	98	285885	20.128	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.260%#		
62) 4-Bromofluorobenzene	12.477	95	98613	19.995	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	71992	23.154	ug/l	96
3) Chloromethane	2.107	50	97291	21.629	ug/l	98
4) Vinyl Chloride	2.247	62	110677	21.346	ug/l	100
5) Bromomethane	2.619	94	84592	21.041	ug/l	98
6) Chloroethane	2.778	64	70599	21.147	ug/l	99
7) Trichlorofluoromethane	3.113	101	132189	20.992	ug/l	99
8) Diethyl Ether	3.522	74	47929	20.102	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	77458	20.598	ug/l	98
10) Methyl Iodide	4.082	142	84276	19.639	ug/l	92
11) Tert butyl alcohol	4.948	59	82825	113.152	ug/l	100
12) 1,1-Dichloroethene	3.857	96	74561	20.467	ug/l	87
13) Acrolein	3.723	56	56493	110.046	ug/l	99
14) Allyl chloride	4.473	41	111522	20.310	ug/l	87
15) Acrylonitrile	5.155	53	132010	96.445	ug/l	98
16) Acetone	3.942	43	112951	93.611	ug/l	90
17) Carbon Disulfide	4.186	76	237808	21.421	ug/l	99
18) Methyl Acetate	4.473	43	104612	19.046	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	205459	19.624	ug/l	99
20) Methylene Chloride	4.704	84	102209	20.395	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	84476	20.486	ug/l	93
22) Diisopropyl ether	6.113	45	235546	20.819	ug/l #	91
23) Vinyl Acetate	6.052	43	654334	99.961	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	143922	20.263	ug/l	97
25) 2-Butanone	6.984	43	167736	93.886	ug/l	94
26) 2,2-Dichloropropane	6.972	77	122908	20.302	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	93099	19.903	ug/l	92
28) Bromochloromethane	7.326	49	65113	21.832	ug/l	84
29) Tetrahydrofuran	7.344	42	110096	95.537	ug/l #	86
30) Chloroform	7.503	83	151478	20.444	ug/l	96
31) Cyclohexane	7.783	56	123565	20.385	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	127777	20.176	ug/l	98
36) 1,1-Dichloropropene	7.911	75	111904	20.338	ug/l	97
37) Ethyl Acetate	7.070	43	73105	19.374	ug/l #	92
38) Carbon Tetrachloride	7.899	117	115600	20.126	ug/l	97
39) Methylcyclohexane	9.179	83	131386	19.977	ug/l	96
40) Benzene	8.155	78	337723	20.277	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	32805m	17.330	ug/l	
42) 1,2-Dichloroethane	8.234	62	98430	20.106	ug/l	94
43) Isopropyl Acetate	8.271	43	123216	19.269	ug/l #	91
44) Trichloroethene	8.935	130	93916	20.226	ug/l	95
45) 1,2-Dichloropropane	9.210	63	85399	19.987	ug/l	96
46) Dibromomethane	9.301	93	51513	19.804	ug/l	94
47) Bromodichloromethane	9.490	83	114306	19.944	ug/l	99
48) Methyl methacrylate	9.289	41	57616	19.813	ug/l #	80
49) 1,4-Dioxane	9.295	88	17482	376.374	ug/l #	57
51) 4-Methyl-2-Pentanone	10.069	43	366519	96.814	ug/l	90
52) Toluene	10.240	92	212454	20.270	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	119852	19.555	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	137420	20.096	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	74285	19.627	ug/l	97
56) Ethyl methacrylate	10.508	69	99691	19.363	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	122408	19.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	257033	103.049	ug/l	96
59) 2-Hexanone	10.831	43	259954	95.057	ug/l	88
60) Dibromochloromethane	10.984	129	87940	19.829	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73505	19.892	ug/l	98
64) Tetrachloroethene	10.715	164	100033	20.592	ug/l	97
65) Chlorobenzene	11.514	112	230079	19.867	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	86431	19.636	ug/l	98
67) Ethyl Benzene	11.587	91	388110	19.652	ug/l	98
68) m/p-Xylenes	11.703	106	312171	39.850	ug/l	93
69) o-Xylene	12.026	106	145989	19.649	ug/l	95
70) Styrene	12.038	104	253855	19.859	ug/l	96
71) Bromoform	12.203	173	64673	19.340	ug/l #	99
73) Isopropylbenzene	12.325	105	378657	19.976	ug/l	100
74) N-amyl acetate	12.142	43	109374	19.118	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	93531	19.228	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	64735m	18.960	ug/l	
77) Bromobenzene	12.605	156	102640	19.825	ug/l	95
78) n-propylbenzene	12.666	91	465032	20.112	ug/l	99
79) 2-Chlorotoluene	12.752	91	268251	20.159	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	323214	20.142	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	33259	19.061	ug/l	88
82) 4-Chlorotoluene	12.849	91	281496	20.192	ug/l	97
83) tert-Butylbenzene	13.075	119	278545	19.751	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	320101	19.990	ug/l	98
85) sec-Butylbenzene	13.251	105	415616	19.971	ug/l	100
86) p-Isopropyltoluene	13.367	119	345618	19.734	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	201728	19.928	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	199356	19.651	ug/l	100
89) n-Butylbenzene	13.690	91	322090	19.900	ug/l	99
90) Hexachloroethane	13.959	117	67574	19.479	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	182248	19.876	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	16108	18.087	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	110210	18.609	ug/l	97
94) Hexachlorobutadiene	15.105	225	69398	19.066	ug/l	98
95) Naphthalene	15.233	128	222740	17.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	99922	18.517	ug/l	99

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

