

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010412.D
 Acq On : 09 Sep 2022 12:32
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 09 16:53:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 16:52:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	268400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	418492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	371306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27367	10.124	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.240%#		
35) Dibromofluoromethane	7.710	113	35431	11.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.840%#		
50) Toluene-d8	10.179	98	85034	8.828	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	17.660%#		
62) 4-Bromofluorobenzene	12.483	95	60046	13.584	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	27.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25586	12.442	ug/l	99
3) Chloromethane	2.113	50	34964	11.595	ug/l	95
4) Vinyl Chloride	2.247	62	42343	11.382	ug/l	100
5) Bromomethane	2.643	94	30907	11.859	ug/l	95
6) Chloroethane	2.784	64	27545	11.070	ug/l	100
7) Trichlorofluoromethane	3.119	101	51701	10.971	ug/l	92
8) Diethyl Ether	3.521	74	16059	10.522	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.893	101	30462	11.041	ug/l	95
10) Methyl Iodide	4.088	142	34133	9.997	ug/l	92
11) Tert butyl alcohol	4.942	59	25124	68.880	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	28719	11.095	ug/l	81
13) Acrolein	3.723	56	12411	48.125	ug/l	98
14) Allyl chloride	4.472	41	38347	10.288	ug/l #	91
15) Acrylonitrile	5.155	53	37452	50.692	ug/l	98
16) Acetone	3.948	43	34477	55.575	ug/l	94
17) Carbon Disulfide	4.186	76	80691	11.528	ug/l	98
18) Methyl Acetate	4.472	43	19475	10.204	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	72397	10.128	ug/l	93
20) Methylene Chloride	4.710	84	47010	12.417	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	31709	10.789	ug/l #	83
22) Diisopropyl ether	6.112	45	83627	10.050	ug/l #	92
23) Vinyl Acetate	6.051	43	250503	49.124	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	53623	10.644	ug/l	97
25) 2-Butanone	6.984	43	49952	50.667	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	50902	10.589	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	36077	10.560	ug/l	88
28) Bromochloromethane	7.332	49	13329	8.252	ug/l #	78
29) Tetrahydrofuran	7.344	42	30528	49.614	ug/l #	83
30) Chloroform	7.496	83	56355	10.546	ug/l	98
31) Cyclohexane	7.777	56	51323	11.238	ug/l #	79
32) 1,1,1-Trichloroethane	7.697	97	50640	10.466	ug/l	96
36) 1,1-Dichloropropene	7.911	75	43782	10.760	ug/l	96
37) Ethyl Acetate	7.069	43	21075	9.853	ug/l #	93
38) Carbon Tetrachloride	7.899	117	48240	10.657	ug/l	98
39) Methylcyclohexane	9.179	83	54974	10.836	ug/l	88
40) Benzene	8.155	78	123117	10.511	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	13682m	11.793	ug/l	
42) 1,2-Dichloroethane	8.234	62	35982	10.330	ug/l	92
43) Isopropyl Acetate	8.271	43	36848	9.413	ug/l #	91
44) Trichloroethene	8.935	130	36235	10.509	ug/l	98
45) 1,2-Dichloropropane	9.209	63	29592	10.359	ug/l	98
46) Dibromomethane	9.301	93	17639	10.239	ug/l	96
47) Bromodichloromethane	9.490	83	41896	10.239	ug/l	95
48) Methyl methacrylate	9.295	41	16855	9.587	ug/l #	80
49) 1,4-Dioxane	9.295	88	4128	181.019	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	102566	47.768	ug/l	91
52) Toluene	10.240	92	81210	10.595	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	42410	10.071	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	48228	10.154	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	24904	10.163	ug/l	98
56) Ethyl methacrylate	10.508	69	30421	9.453	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	41622	10.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	62807	57.368	ug/l	93
59) 2-Hexanone	10.831	43	69194	47.276	ug/l	87
60) Dibromochloromethane	10.983	129	30232	10.096	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24272	10.203	ug/l	100
64) Tetrachloroethene	10.721	164	36225	10.824	ug/l	98
65) Chlorobenzene	11.514	112	87864	10.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	31407	10.212	ug/l	96
67) Ethyl Benzene	11.593	91	152515	10.378	ug/l	97
68) m/p-Xylenes	11.703	106	119501	20.712	ug/l	94
69) o-Xylene	12.032	106	56601	10.274	ug/l	93
70) Styrene	12.044	104	95198	10.210	ug/l	95
71) Bromoform	12.209	173	19303	10.039	ug/l #	99
73) Isopropylbenzene	12.331	105	154335	10.615	ug/l	100
74) N-amyl acetate	12.142	43	30461	8.979	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	28310	10.409	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	21936m	10.828	ug/l	
77) Bromobenzene	12.611	156	36463	10.583	ug/l	92
78) n-propylbenzene	12.672	91	182981	10.628	ug/l	97
79) 2-Chlorotoluene	12.758	91	101343	10.478	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	130918	10.672	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	8844	9.548	ug/l	94
82) 4-Chlorotoluene	12.855	91	106680	10.603	ug/l	98
83) tert-Butylbenzene	13.075	119	112271	10.470	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	125920	10.490	ug/l	95
85) sec-Butylbenzene	13.251	105	167985	10.580	ug/l	98
86) p-Isopropyltoluene	13.367	119	141345	10.524	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	73178	10.577	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	73201	10.685	ug/l	98
89) n-Butylbenzene	13.696	91	127786	10.482	ug/l	98
90) Hexachloroethane	13.959	117	26787	10.623	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	64196	10.476	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4691	10.218	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	39749	10.444	ug/l	99
94) Hexachlorobutadiene	15.111	225	25177	10.964	ug/l	99
95) Naphthalene	15.239	128	73558	9.799	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	35273	10.617	ug/l	99

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

