

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010270.D
 Acq On : 02 Sep 2022 10:24
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:24:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	400941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	650021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	575746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	274972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39726	9.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.320%#		
35) Dibromofluoromethane	7.710	113	51106	11.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.620%#		
50) Toluene-d8	10.179	98	125420	8.657	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	17.320%#		
62) 4-Bromofluorobenzene	12.477	95	91341	13.594	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	27.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36594	11.433	ug/l	99
3) Chloromethane	2.113	50	48801	11.167	ug/l	99
4) Vinyl Chloride	2.247	62	51330	10.781	ug/l	96
5) Bromomethane	2.644	94	34967	11.569	ug/l	97
6) Chloroethane	2.790	64	31293	10.744	ug/l	99
7) Trichlorofluoromethane	3.119	101	69725	10.447	ug/l	93
8) Diethyl Ether	3.528	74	25037	10.498	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	43855	10.639	ug/l	93
10) Methyl Iodide	4.082	142	47595	9.598	ug/l	89
11) Tert butyl alcohol	4.948	59	25881	52.621	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	42125	10.554	ug/l	82
13) Acrolein	3.729	56	26361	50.629	ug/l	94
14) Allyl chloride	4.473	41	72822	10.366	ug/l	91
15) Acrylonitrile	5.155	53	64935	52.255	ug/l	97
16) Acetone	3.942	43	52494	51.077	ug/l	91
17) Carbon Disulfide	4.186	76	132255	10.879	ug/l	99
18) Methyl Acetate	4.473	43	33422	10.479	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	119638	10.253	ug/l	97
20) Methylene Chloride	4.710	84	57510	11.595	ug/l #	86
21) trans-1,2-Dichloroethene	5.216	96	46714	10.328	ug/l	97
22) Diisopropyl ether	6.113	45	147615	10.339	ug/l #	95
23) Vinyl Acetate	6.052	43	461570	51.561	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	85848	10.438	ug/l	98
25) 2-Butanone	6.984	43	87116	51.649	ug/l	91
26) 2,2-Dichloropropane	6.978	77	77259	10.313	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	52819	10.219	ug/l	92
28) Bromochloromethane	7.332	49	22405	8.141	ug/l	90
29) Tetrahydrofuran	7.344	42	56586	52.341	ug/l	89
30) Chloroform	7.503	83	82842	10.228	ug/l	97
31) Cyclohexane	7.783	56	86947	10.841	ug/l #	85
32) 1,1,1-Trichloroethane	7.698	97	76399	10.352	ug/l	96
36) 1,1-Dichloropropene	7.917	75	66147	10.418	ug/l	96
37) Ethyl Acetate	7.070	43	37144	10.204	ug/l #	92
38) Carbon Tetrachloride	7.899	117	68644	10.491	ug/l	97
39) Methylcyclohexane	9.179	83	86229	10.520	ug/l	97
40) Benzene	8.161	78	190127	10.456	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21534	10.464	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	54277	10.295	ug/l	91
43) Isopropyl Acetate	8.271	43	72936	10.511	ug/l #	93
44) Trichloroethene	8.935	130	51949	10.407	ug/l	96
45) 1,2-Dichloropropane	9.216	63	47694	10.295	ug/l	100
46) Dibromomethane	9.301	93	26364	10.361	ug/l	95
47) Bromodichloromethane	9.496	83	63634	10.169	ug/l	98
48) Methyl methacrylate	9.289	41	33687	10.408	ug/l #	87
49) 1,4-Dioxane	9.295	88	7335	209.501	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	185967	51.947	ug/l	91
52) Toluene	10.240	92	121216	10.421	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	69824	10.346	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	78147	10.269	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	38082	10.543	ug/l	97
56) Ethyl methacrylate	10.508	69	54435	10.201	ug/l #	83
57) 1,3-Dichloropropane	10.789	76	65125	10.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	108646	60.817	ug/l	97
59) 2-Hexanone	10.831	43	128907	51.927	ug/l	89
60) Dibromochloromethane	10.984	129	44891	10.314	ug/l	98
61) 1,2-Dibromoethane	11.087	107	36031	10.322	ug/l	98
64) Tetrachloroethene	10.715	164	49226	10.484	ug/l	97
65) Chlorobenzene	11.514	112	126793	10.335	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	45516	10.103	ug/l	97
67) Ethyl Benzene	11.593	91	231301	10.295	ug/l	98
68) m/p-Xylenes	11.703	106	178004	20.741	ug/l	96
69) o-Xylene	12.026	106	85585	10.271	ug/l	95
70) Styrene	12.044	104	140853	10.148	ug/l	97
71) Bromoform	12.209	173	28135	10.103	ug/l #	100
73) Isopropylbenzene	12.331	105	226105	10.307	ug/l	99
74) N-amyl acetate	12.142	43	62189	10.275	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	43590	10.339	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	34119m	10.926	ug/l	
77) Bromobenzene	12.605	156	51016	10.222	ug/l	98
78) n-propylbenzene	12.672	91	272457	10.346	ug/l	99
79) 2-Chlorotoluene	12.758	91	153123	10.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	190716	10.376	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	15769	10.053	ug/l	90
82) 4-Chlorotoluene	12.855	91	157816	10.297	ug/l	99
83) tert-Butylbenzene	13.075	119	165156	10.342	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	188777	10.459	ug/l	99
85) sec-Butylbenzene	13.251	105	245066	10.377	ug/l	100
86) p-Isopropyltoluene	13.367	119	202396	10.376	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	99529	10.271	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	99416	10.319	ug/l	97
89) n-Butylbenzene	13.697	91	192408	10.434	ug/l	99
90) Hexachloroethane	13.959	117	38549	10.295	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	89063	10.312	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7583	10.207	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	55158	10.318	ug/l	99
94) Hexachlorobutadiene	15.111	225	32928	10.509	ug/l	97
95) Naphthalene	15.233	128	113237	10.209	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	46862	10.350	ug/l	97

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

