

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011148.D
 Acq On : 28 Oct 2022 10:53
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Oct 28 22:46:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 22:42:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	261914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	431021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	390219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53323	19.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.380%#		
35) Dibromofluoromethane	7.716	113	51658	19.489	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.980%#		
50) Toluene-d8	10.179	98	209680	19.968	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.940%#		
62) 4-Bromofluorobenzene	12.477	95	67422	19.622	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28899	20.269	ug/l	98
3) Chloromethane	2.113	50	39029	20.280	ug/l	97
4) Vinyl Chloride	2.247	62	45234	19.918	ug/l	100
5) Bromomethane	2.637	94	30802	19.278	ug/l	98
6) Chloroethane	2.790	64	31996	20.331	ug/l	99
7) Trichlorofluoromethane	3.125	101	75257	20.329	ug/l	96
8) Diethyl Ether	3.527	74	25865	19.395	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	47302	20.233	ug/l	93
10) Methyl Iodide	4.088	142	51804	20.226	ug/l	92
11) Tert butyl alcohol	4.948	59	31087	104.716	ug/l	99
12) 1,1-Dichloroethene	3.869	96	42821	20.352	ug/l	85
13) Acrolein	3.729	56	22517	118.052	ug/l	98
14) Allyl chloride	4.479	41	65758	20.128	ug/l #	86
15) Acrylonitrile	5.161	53	73886	100.404	ug/l	98
16) Acetone	3.942	43	64077	96.701	ug/l #	86
17) Carbon Disulfide	4.192	76	113761	20.830	ug/l	97
18) Methyl Acetate	4.479	43	41168	19.662	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	122341	19.699	ug/l	98
20) Methylene Chloride	4.716	84	69461	20.211	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	48864	20.256	ug/l	89
22) Diisopropyl ether	6.118	45	154383	20.554	ug/l #	92
23) Vinyl Acetate	6.058	43	429204	100.514	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	93755	20.204	ug/l	98
25) 2-Butanone	6.984	43	93473	98.408	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	82213	19.824	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	57819	19.783	ug/l	89
28) Bromochloromethane	7.332	49	40963	19.332	ug/l	87
29) Tetrahydrofuran	7.344	42	57364	101.362	ug/l #	87
30) Chloroform	7.502	83	96887	19.887	ug/l	99
31) Cyclohexane	7.783	56	77663	20.372	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	83199	20.072	ug/l	95
36) 1,1-Dichloropropene	7.917	75	69304	20.056	ug/l	98
37) Ethyl Acetate	7.076	43	38617	19.752	ug/l #	93
38) Carbon Tetrachloride	7.899	117	74752	19.860	ug/l	100
39) Methylcyclohexane	9.179	83	78590	20.383	ug/l	92
40) Benzene	8.161	78	208463	20.150	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20651m	18.555	ug/l	
42) 1,2-Dichloroethane	8.234	62	59502	20.215	ug/l	91
43) Isopropyl Acetate	8.271	43	69352	19.894	ug/l #	88
44) Trichloroethene	8.935	130	55390	19.921	ug/l	95
45) 1,2-Dichloropropane	9.215	63	54293	19.937	ug/l	96
46) Dibromomethane	9.301	93	30399	19.969	ug/l	96
47) Bromodichloromethane	9.496	83	74192	19.722	ug/l	99
48) Methyl methacrylate	9.295	41	31351	20.176	ug/l #	79
49) 1,4-Dioxane	9.295	88	8145	387.654	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	197659	100.559	ug/l	89
52) Toluene	10.240	92	131090	20.243	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	73848	19.579	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	85136	19.913	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	45231	19.962	ug/l	98
56) Ethyl methacrylate	10.508	69	55592	19.495	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	75816	20.046	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	90118	74.805	ug/l	97
59) 2-Hexanone	10.831	43	137222	101.155	ug/l	86
60) Dibromochloromethane	10.983	129	53297	19.893	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41335	20.098	ug/l	100
64) Tetrachloroethene	10.715	164	54814	20.358	ug/l	94
65) Chlorobenzene	11.514	112	144477	20.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	55148	19.781	ug/l	97
67) Ethyl Benzene	11.593	91	251028	19.999	ug/l	100
68) m/p-Xylenes	11.703	106	195063	40.774	ug/l	95
69) o-Xylene	12.026	106	91170	19.981	ug/l	95
70) Styrene	12.044	104	158615	20.341	ug/l	96
71) Bromoform	12.209	173	34022	19.915	ug/l #	99
73) Isopropylbenzene	12.331	105	246053	19.873	ug/l	100
74) N-amyl acetate	12.142	43	59077	19.438	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	53023	19.629	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	39152m	19.436	ug/l	
77) Bromobenzene	12.605	156	57465	19.734	ug/l	99
78) n-propylbenzene	12.672	91	304446	20.220	ug/l	99
79) 2-Chlorotoluene	12.751	91	172406	20.020	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	212478	20.368	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18054	19.447	ug/l #	84
82) 4-Chlorotoluene	12.855	91	178491	19.980	ug/l	99
83) tert-Butylbenzene	13.075	119	181055	19.883	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	209620	20.414	ug/l	99
85) sec-Butylbenzene	13.251	105	275237	20.214	ug/l	100
86) p-Isopropyltoluene	13.367	119	223965	20.023	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	118129	19.982	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	117303	19.834	ug/l	98
89) n-Butylbenzene	13.696	91	212611	20.349	ug/l	99
90) Hexachloroethane	13.959	117	46298	19.813	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	106386	20.005	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	8620	19.823	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	59042	19.400	ug/l	98
94) Hexachlorobutadiene	15.111	225	36833	20.041	ug/l	100
95) Naphthalene	15.233	128	115893	19.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51763	19.538	ug/l	99

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

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