

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010188.D
 Acq On : 24 Aug 2022 11:00
 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 08/26/2022
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 25 01:50:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 01:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	171773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	263879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	18327	12.353	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	24.700%#
35) Dibromofluoromethane	7.710	113	18792	11.813	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	23.620%#
50) Toluene-d8	10.179	98	66726	12.126	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	24.260%#
62) 4-Bromofluorobenzene	12.483	95	24704	11.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	23.340%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	12665	9.704	ug/l	96
3) Chloromethane	2.107	50	13422	10.390	ug/l	94
4) Vinyl Chloride	2.241	62	14408	10.203	ug/l	100
5) Bromomethane	2.644	94	11939	10.551	ug/l	98
6) Chloroethane	2.784	64	10709	10.666	ug/l	99
7) Trichlorofluoromethane	3.119	101	15614	9.908	ug/l	97
8) Diethyl Ether	3.522	74	9520	10.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	16872	10.573	ug/l	96
10) Methyl Iodide	4.082	142	17011	9.647	ug/l	88
11) Tert butyl alcohol	4.942	59	11482	58.263	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	14441	10.106	ug/l	84
13) Acrolein	3.723	56	4336	66.943	ug/l	97
14) Allyl chloride	4.473	41	25611	10.178	ug/l	89
15) Acrylonitrile	5.155	53	26883	53.710	ug/l	98
16) Acetone	3.942	43	21734	52.753	ug/l #	87
17) Carbon Disulfide	4.186	76	34999	9.581	ug/l	98
18) Methyl Acetate	4.473	43	14119	9.999	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	42682	10.119	ug/l	100
20) Methylene Chloride	4.704	84	33543	12.413	ug/l #	85
21) trans-1,2-Dichloroethene	5.210	96	16769	10.126	ug/l	85
22) Diisopropyl ether	6.113	45	59743	10.646	ug/l #	96
23) Vinyl Acetate	6.052	43	171478	51.879	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	34399	10.786	ug/l #	97
25) 2-Butanone	6.984	43	38011	55.438	ug/l	94
26) 2,2-Dichloropropane	6.972	77	33299	11.369	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	21169	10.612	ug/l	95
28) Bromochloromethane	7.326	49	11917	11.148	ug/l	88
29) Tetrahydrofuran	7.338	42	21411	51.324	ug/l	94
30) Chloroform	7.496	83	35975	10.884	ug/l	98
31) Cyclohexane	7.777	56	26442	10.104	ug/l #	90
32) 1,1,1-Trichloroethane	7.698	97	29658	10.682	ug/l	96
36) 1,1-Dichloropropene	7.911	75	23756	10.015	ug/l	96
37) Ethyl Acetate	7.064	43	15795	10.492	ug/l #	94
38) Carbon Tetrachloride	7.893	117	25956	10.348	ug/l	98
39) Methylcyclohexane	9.179	83	25176	9.522	ug/l	92
40) Benzene	8.155	78	76024	10.493	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	8752m	7.346	ug/l	
42) 1,2-Dichloroethane	8.234	62	21674	10.782	ug/l	90
43) Isopropyl Acetate	8.271	43	27394	10.420	ug/l #	91
44) Trichloroethene	8.935	130	20703	10.353	ug/l	95
45) 1,2-Dichloropropane	9.210	63	20661	10.863	ug/l	98
46) Dibromomethane	9.301	93	11164	10.644	ug/l	98
47) Bromodichloromethane	9.496	83	28007	10.854	ug/l	94
48) Methyl methacrylate	9.289	41	11377	10.040	ug/l #	84
49) 1,4-Dioxane	9.289	88	2540	208.218	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	75846	52.681	ug/l	94
52) Toluene	10.240	92	47117	10.366	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	26720	10.425	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	30851	10.395	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	17693	11.136	ug/l	99
56) Ethyl methacrylate	10.508	69	18980	9.732	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	27780	10.764	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	47366	60.704	ug/l	99
59) 2-Hexanone	10.831	43	49712	51.006	ug/l	93
60) Dibromochloromethane	10.984	129	20374	10.867	ug/l	99
61) 1,2-Dibromoethane	11.087	107	15279	10.434	ug/l	99
64) Tetrachloroethene	10.715	164	19976	10.284	ug/l	94
65) Chlorobenzene	11.514	112	54341	10.582	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	21038	10.760	ug/l	95
67) Ethyl Benzene	11.593	91	89617	10.119	ug/l	99
68) m/p-Xylenes	11.703	106	69221	20.349	ug/l	94
69) o-Xylene	12.026	106	32367	9.977	ug/l	95
70) Styrene	12.044	104	56822	10.229	ug/l	95
71) Bromoform	12.209	173	13489	10.953	ug/l #	93
73) Isopropylbenzene	12.331	105	86376	9.925	ug/l	98
74) N-amyl acetate	12.142	43	24109	10.156	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	20752	10.923	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	14798m	6.931	ug/l	
77) Bromobenzene	12.611	156	21991	10.272	ug/l	97
78) n-propylbenzene	12.672	91	109463	10.117	ug/l	100
79) 2-Chlorotoluene	12.758	91	62491	10.269	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	75541	10.223	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	6742	10.380	ug/l	85
82) 4-Chlorotoluene	12.855	91	66270	10.423	ug/l	99
83) tert-Butylbenzene	13.075	119	63032	9.919	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	73584	10.064	ug/l	97
85) sec-Butylbenzene	13.251	105	97632	10.089	ug/l	99
86) p-Isopropyltoluene	13.367	119	77700	9.837	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	45834	10.523	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	46403	10.575	ug/l	97
89) n-Butylbenzene	13.697	91	74270	9.803	ug/l	99
90) Hexachloroethane	13.959	117	17419	10.499	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	41652	10.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3073	11.691	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	21588	11.728	ug/l	99
94) Hexachlorobutadiene	15.111	225	13660	12.303	ug/l	97
95) Naphthalene	15.233	128	39985	11.034	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	19213	11.769	ug/l	98

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

