

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011153.D
 Acq On : 28 Oct 2022 13:00
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY102822

Manual Integrations
 APPROVED

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

Quant Time: Oct 28 23:44:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	290193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	470504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	417265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	199169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143342	47.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.540%		
35) Dibromofluoromethane	7.716	113	142106	49.114	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.220%		
50) Toluene-d8	10.179	98	568897	49.630	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.260%		
62) 4-Bromofluorobenzene	12.477	95	187067	49.875	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	72514	50.944	ug/l	98
3) Chloromethane	2.113	50	94036	50.652	ug/l	95
4) Vinyl Chloride	2.253	62	113166	50.554	ug/l	99
5) Bromomethane	2.649	94	79194	52.944	ug/l	100
6) Chloroethane	2.796	64	77805	49.351	ug/l	98
7) Trichlorofluoromethane	3.125	101	188218	45.888	ug/l	93
8) Diethyl Ether	3.527	74	69923	47.323	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	122996	47.483	ug/l	92
10) Methyl Iodide	4.088	142	129836	45.752	ug/l	91
11) Tert butyl alcohol	4.948	59	75731	261.046	ug/l	98
12) 1,1-Dichloroethene	3.869	96	109303	46.887	ug/l	86
13) Acrolein	3.729	56	43051	226.065	ug/l	97
14) Allyl chloride	4.478	41	177245	48.967	ug/l #	86
15) Acrylonitrile	5.161	53	198613	243.595	ug/l	97
16) Acetone	3.942	43	195648	266.486	ug/l #	82
17) Carbon Disulfide	4.192	76	250316	48.512	ug/l	99
18) Methyl Acetate	4.478	43	91756	47.005	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	343109	49.863	ug/l	96
20) Methylene Chloride	4.710	84	145891	47.855	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	123344	46.148	ug/l	88
22) Diisopropyl ether	6.118	45	417776	50.202	ug/l #	89
23) Vinyl Acetate	6.057	43	1262025	266.749	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	244383	47.531	ug/l	99
25) 2-Butanone	6.978	43	268814	255.429	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	219786	47.832	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	152381	47.057	ug/l	90
28) Bromochloromethane	7.332	49	121015	51.546	ug/l	86
29) Tetrahydrofuran	7.344	42	157463	251.123	ug/l #	85
30) Chloroform	7.502	83	253686	46.998	ug/l	99
31) Cyclohexane	7.783	56	187560	50.005	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	218929	47.669	ug/l	96
36) 1,1-Dichloropropene	7.917	75	177112	46.953	ug/l	98
37) Ethyl Acetate	7.069	43	106484	49.894	ug/l #	93
38) Carbon Tetrachloride	7.899	117	192880	46.945	ug/l	99
39) Methylcyclohexane	9.179	83	203084	48.251	ug/l	92
40) Benzene	8.161	78	531062	47.025	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	58817m	52.735	ug/l	
42) 1,2-Dichloroethane	8.234	62	151772	47.235	ug/l	91
43) Isopropyl Acetate	8.270	43	191051	50.204	ug/l #	90
44) Trichloroethene	8.941	130	142531	46.959	ug/l	97
45) 1,2-Dichloropropane	9.215	63	142920	48.078	ug/l	97
46) Dibromomethane	9.301	93	77973	46.922	ug/l	95
47) Bromodichloromethane	9.496	83	197810	48.170	ug/l	99
48) Methyl methacrylate	9.289	41	85132	50.188	ug/l #	79
49) 1,4-Dioxane	9.295	88	23966	1044.923	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	548024	255.411	ug/l #	87
52) Toluene	10.240	92	339609	48.042	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	199404	48.430	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	228503	48.962	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	117578	47.538	ug/l	98
56) Ethyl methacrylate	10.508	69	161275	51.811	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	197682	47.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	375912	252.389	ug/l	97
59) 2-Hexanone	10.831	43	394443	266.370	ug/l	83
60) Dibromochloromethane	10.983	129	141351	48.332	ug/l	99
61) 1,2-Dibromoethane	11.087	107	107753	47.994	ug/l	100
64) Tetrachloroethene	10.721	164	134276	46.638	ug/l	99
65) Chlorobenzene	11.514	112	370026	48.159	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	143709	48.205	ug/l	98
67) Ethyl Benzene	11.593	91	666431	49.651	ug/l	99
68) m/p-Xylenes	11.703	106	505503	98.815	ug/l	95
69) o-Xylene	12.026	106	244723	50.158	ug/l	95
70) Styrene	12.044	104	422138	50.626	ug/l	96
71) Bromoform	12.209	173	90428	49.503	ug/l #	99
73) Isopropylbenzene	12.331	105	661599	50.876	ug/l	99
74) N-amyl acetate	12.142	43	168483	52.781	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	141362	49.827	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	105424m	50.912	ug/l	
77) Bromobenzene	12.605	156	152803	49.960	ug/l	99
78) n-propylbenzene	12.672	91	800406	50.613	ug/l	99
79) 2-Chlorotoluene	12.757	91	453211	50.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	552603	50.436	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	49236	50.495	ug/l #	83
82) 4-Chlorotoluene	12.855	91	465595	49.622	ug/l	100
83) tert-Butylbenzene	13.074	119	488249	51.050	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	543088	50.357	ug/l	99
85) sec-Butylbenzene	13.251	105	725775	50.751	ug/l	100
86) p-Isopropyltoluene	13.367	119	597600	50.867	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	303287	48.846	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	296914	47.798	ug/l	98
89) n-Butylbenzene	13.696	91	562488	51.258	ug/l	99
90) Hexachloroethane	13.958	117	118336	48.217	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	271570	48.621	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22355	48.947	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	161867	50.640	ug/l	98
94) Hexachlorobutadiene	15.111	225	95433	49.439	ug/l	99
95) Naphthalene	15.233	128	347005	48.633	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	144506	51.933	ug/l	99

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

