

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071822\
 Data File : VY009572.D
 Acq On : 18 Jul 2022 14:29
 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 07/19/2022
 Supervised By :Mahesh Dadoda 07/19/2022

Quant Time: Jul 19 02:51:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 02:49:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	207655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	286405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	20146	10.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.520%#		
35) Dibromofluoromethane	7.710	113	20139	10.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.240%#		
50) Toluene-d8	10.173	98	77773	10.161	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	20.320%#		
62) 4-Bromofluorobenzene	12.477	95	24481	9.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	19.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19935	10.941	ug/l	97
3) Chloromethane	2.107	50	29282	10.844	ug/l	97
4) Vinyl Chloride	2.241	62	30551	10.820	ug/l	99
5) Bromomethane	2.638	94	21471	11.234	ug/l	95
6) Chloroethane	2.784	64	18314	10.677	ug/l	97
7) Trichlorofluoromethane	3.113	101	35046	10.474	ug/l	94
8) Diethyl Ether	3.522	74	11557	10.557	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	20717	10.588	ug/l	95
10) Methyl Iodide	4.076	142	26097	10.041	ug/l	88
11) Tert butyl alcohol	4.930	59	21845	94.420	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	20235	10.596	ug/l #	79
13) Acrolein	3.717	56	7204	51.309	ug/l	97
14) Allyl chloride	4.460	41	30342	10.271	ug/l #	93
15) Acrylonitrile	5.155	53	26760	49.493	ug/l	97
16) Acetone	3.942	43	23227	46.752	ug/l #	89
17) Carbon Disulfide	4.180	76	63811	10.749	ug/l	99
18) Methyl Acetate	4.473	43	13750	9.860	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	50055	9.946	ug/l	93
20) Methylene Chloride	4.704	84	45797	12.891	ug/l #	81
21) trans-1,2-Dichloroethene	5.204	96	22630	10.470	ug/l	83
22) Diisopropyl ether	6.106	45	64130	10.167	ug/l #	96
23) Vinyl Acetate	6.052	43	191253	48.054	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	37613	10.324	ug/l	98
25) 2-Butanone	6.978	43	33331	45.994	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	35406	10.848	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	24478	10.243	ug/l	87
28) Bromochloromethane	7.326	49	15252	9.771	ug/l	87
29) Tetrahydrofuran	7.338	42	22688	47.685	ug/l	90
30) Chloroform	7.496	83	38844	10.423	ug/l	100
31) Cyclohexane	7.777	56	37361	10.789	ug/l #	88
32) 1,1,1-Trichloroethane	7.691	97	35293	10.558	ug/l	95
36) 1,1-Dichloropropene	7.911	75	30358	10.318	ug/l	95
37) Ethyl Acetate	7.070	43	15541	9.491	ug/l #	93
38) Carbon Tetrachloride	7.893	117	31770	10.315	ug/l	99
39) Methylcyclohexane	9.179	83	36412	10.037	ug/l	93
40) Benzene	8.149	78	89721	10.422	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	7909m	9.745	ug/l	
42) 1,2-Dichloroethane	8.228	62	24972	10.340	ug/l	92
43) Isopropyl Acetate	8.265	43	28205	9.400	ug/l #	91
44) Trichloroethene	8.929	130	25390	10.370	ug/l	94
45) 1,2-Dichloropropane	9.210	63	21443	10.152	ug/l	97
46) Dibromomethane	9.301	93	12210	9.954	ug/l	93
47) Bromodichloromethane	9.490	83	29233	10.163	ug/l	98
48) Methyl methacrylate	9.289	41	12137	9.156	ug/l #	88
49) 1,4-Dioxane	9.295	88	3033	185.489	ug/l	85
51) 4-Methyl-2-Pentanone	10.063	43	72730	46.685	ug/l	94
52) Toluene	10.240	92	55188	10.120	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	29296	9.861	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	32833	9.720	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	17452	10.102	ug/l	96
56) Ethyl methacrylate	10.502	69	20268	9.170	ug/l #	84
57) 1,3-Dichloropropane	10.782	76	28960	10.101	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	2313	2.818	ug/l	99
59) 2-Hexanone	10.825	43	48265	44.543	ug/l	91
60) Dibromochloromethane	10.977	129	21312	10.195	ug/l	98
61) 1,2-Dibromoethane	11.087	107	16757	9.942	ug/l	99
64) Tetrachloroethene	10.715	164	22885	10.210	ug/l	98
65) Chlorobenzene	11.514	112	60487	10.335	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	21583	9.926	ug/l	96
67) Ethyl Benzene	11.587	91	103373	10.043	ug/l	96
68) m/p-Xylenes	11.697	106	81992	20.015	ug/l	92
69) o-Xylene	12.026	106	37518	9.786	ug/l	91
70) Styrene	12.038	104	60983	9.564	ug/l	95
71) Bromoform	12.203	173	13517	9.850	ug/l #	98
73) Isopropylbenzene	12.325	105	99178	10.142	ug/l	100
74) N-amyl acetate	12.142	43	24125	9.277	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	20003	10.214	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	15847m	11.390	ug/l	
77) Bromobenzene	12.605	156	25237	10.263	ug/l	89
78) n-propylbenzene	12.666	91	121165	10.254	ug/l	98
79) 2-Chlorotoluene	12.752	91	67785	10.347	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	82598	10.222	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	6533	9.575	ug/l	87
82) 4-Chlorotoluene	12.849	91	70886	10.430	ug/l	96
83) tert-Butylbenzene	13.075	119	73899	10.294	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	82530	10.213	ug/l	97
85) sec-Butylbenzene	13.251	105	109772	10.314	ug/l	98
86) p-Isopropyltoluene	13.367	119	89740	10.033	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	50377	10.357	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	50324	10.434	ug/l	99
89) n-Butylbenzene	13.690	91	81831	10.017	ug/l	99
90) Hexachloroethane	13.959	117	17769	10.312	ug/l	97
91) 1,2-Dichlorobenzene	13.733	146	43498	10.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2910	9.768	ug/l	77
93) 1,2,4-Trichlorobenzene	15.001	180	25252	9.468	ug/l	96
94) Hexachlorobutadiene	15.111	225	15794	9.982	ug/l	96
95) Naphthalene	15.233	128	45455	8.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	22354	9.541	ug/l	99

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

