

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050222\
 Data File : VY008577.D
 Acq On : 02 May 2022 17:52
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY050222

Quant Time: May 03 02:00:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	177346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	80920	46.946	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.900%		
35) Dibromofluoromethane	7.716	113	86383	48.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.780%		
50) Toluene-d8	10.179	98	310146	49.541	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.483	95	111590	48.632	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	73193	41.179	ug/l	99
3) Chloromethane	2.113	50	90408	43.759	ug/l	96
4) Vinyl Chloride	2.253	62	107600	43.318	ug/l	94
5) Bromomethane	2.650	94	90243	49.246	ug/l	97
6) Chloroethane	2.796	64	69181	43.459	ug/l	99
7) Trichlorofluoromethane	3.125	101	150175	44.700	ug/l	96
8) Diethyl Ether	3.527	74	48732	45.292	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	89460	45.296	ug/l	93
10) Methyl Iodide	4.088	142	103446	42.250	ug/l	88
11) Tert butyl alcohol	4.948	59	43218	243.661	ug/l	96
12) 1,1-Dichloroethene	3.875	96	84836	45.585	ug/l #	77
13) Acrolein	3.729	56	48200	206.954	ug/l	97
14) Allyl chloride	4.478	41	104176	46.757	ug/l #	88
15) Acrylonitrile	5.161	53	113037	230.427	ug/l	97
16) Acetone	3.942	43	86132	231.919	ug/l #	83
17) Carbon Disulfide	4.192	76	244823	46.266	ug/l	100
18) Methyl Acetate	4.472	43	47586	44.768	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	235349	45.861	ug/l	95
20) Methylene Chloride	4.716	84	101853	45.609	ug/l #	75
21) trans-1,2-Dichloroethene	5.216	96	97070	45.915	ug/l #	80
22) Diisopropyl ether	6.118	45	240969	46.849	ug/l #	90
23) Vinyl Acetate	6.057	43	807198	240.312	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	149352	46.064	ug/l	95
25) 2-Butanone	6.984	43	140012	234.866	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	142283	45.819	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	111412	46.047	ug/l	80
28) Bromochloromethane	7.332	49	55154	44.489	ug/l #	59
29) Tetrahydrofuran	7.344	42	94253	238.382	ug/l #	74
30) Chloroform	7.508	83	166090	45.719	ug/l	100
31) Cyclohexane	7.783	56	136151	45.763	ug/l #	81
32) 1,1,1-Trichloroethane	7.703	97	154109	46.247	ug/l #	94
36) 1,1-Dichloropropene	7.917	75	128966	46.935	ug/l	94
37) Ethyl Acetate	7.069	43	65375	46.394	ug/l #	90
38) Carbon Tetrachloride	7.899	117	142875	45.576	ug/l	98
39) Methylcyclohexane	9.185	83	171601	47.342	ug/l #	83
40) Benzene	8.161	78	370545	46.687	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	32896m	53.211	ug/l	
42) 1,2-Dichloroethane	8.240	62	104282	45.394	ug/l	89
43) Isopropyl Acetate	8.270	43	121278	47.302	ug/l #	85
44) Trichloroethene	8.941	130	113221	45.477	ug/l	98
45) 1,2-Dichloropropane	9.215	63	88444	47.766	ug/l	95
46) Dibromomethane	9.307	93	58888	45.559	ug/l	93
47) Bromodichloromethane	9.496	83	130712	46.411	ug/l	98
48) Methyl methacrylate	9.295	41	52260	46.372	ug/l #	75
49) 1,4-Dioxane	9.295	88	14944	911.831	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	321074	238.585	ug/l #	83
52) Toluene	10.246	92	247917	46.733	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	141821	47.633	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	156255	47.238	ug/l #	80
55) 1,1,2-Trichloroethane	10.648	97	83668	46.452	ug/l	96
56) Ethyl methacrylate	10.508	69	109853	48.280	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	134453	46.761	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	278501	241.159	ug/l #	87
59) 2-Hexanone	10.831	43	224135	244.565	ug/l	80
60) Dibromochloromethane	10.983	129	105340	46.755	ug/l	100
61) 1,2-Dibromoethane	11.087	107	85402	46.849	ug/l	99
64) Tetrachloroethene	10.721	164	103335	46.086	ug/l	98
65) Chlorobenzene	11.514	112	278411	47.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	105960	47.405	ug/l	98
67) Ethyl Benzene	11.593	91	480245	48.215	ug/l	94
68) m/p-Xylenes	11.703	106	390176	95.892	ug/l	89
69) o-Xylene	12.032	106	186801	47.903	ug/l	89
70) Styrene	12.044	104	315523	48.673	ug/l	93
71) Bromoform	12.209	173	70989	47.775	ug/l #	98
73) Isopropylbenzene	12.331	105	486018	48.852	ug/l	99
74) N-amyl acetate	12.142	43	110256	49.591	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	98510	48.931	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60433m	44.393	ug/l	
77) Bromobenzene	12.611	156	124410	47.396	ug/l	85
78) n-propylbenzene	12.672	91	573917	49.573	ug/l	96
79) 2-Chlorotoluene	12.757	91	316287	48.524	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	400608	48.738	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	33866	50.437	ug/l #	82
82) 4-Chlorotoluene	12.855	91	323842	48.230	ug/l	93
83) tert-Butylbenzene	13.074	119	361324	49.079	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	399631	48.915	ug/l	96
85) sec-Butylbenzene	13.251	105	534116	49.227	ug/l	97
86) p-Isopropyltoluene	13.367	119	451209	48.983	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	238607	47.001	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	237277	47.384	ug/l	98
89) n-Butylbenzene	13.696	91	396039	48.810	ug/l	97
90) Hexachloroethane	13.958	117	83784	49.111	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	213804	47.193	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15116	49.335	ug/l	64
93) 1,2,4-Trichlorobenzene	15.007	180	136054	47.065	ug/l	100
94) Hexachlorobutadiene	15.111	225	76265	46.716	ug/l	99
95) Naphthalene	15.239	128	277335	47.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	119805	46.694	ug/l	100

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

