

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010418.D
 Acq On : 09 Sep 2022 14:52
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY090922

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 09 17:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	275895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	420939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	379676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134278	48.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.640%		
35) Dibromofluoromethane	7.710	113	134024	44.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.660%		
50) Toluene-d8	10.179	98	498850	51.487	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.980%		
62) 4-Bromofluorobenzene	12.477	95	177279	45.622	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	97434	52.498	ug/l	99
3) Chloromethane	2.107	50	147132	47.467	ug/l	97
4) Vinyl Chloride	2.241	62	183245	47.919	ug/l	99
5) Bromomethane	2.643	94	130494	48.708	ug/l	98
6) Chloroethane	2.784	64	122791	48.006	ug/l	99
7) Trichlorofluoromethane	3.119	101	232514	48.000	ug/l	93
8) Diethyl Ether	3.521	74	74748	47.646	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	136871	48.260	ug/l	95
10) Methyl Iodide	4.082	142	164304	46.816	ug/l	91
11) Tert butyl alcohol	4.948	59	69140	230.709	ug/l	96
12) 1,1-Dichloroethene	3.863	96	129413	48.640	ug/l	82
13) Acrolein	3.723	56	63163	238.269	ug/l	97
14) Allyl chloride	4.472	41	186115	48.576	ug/l #	94
15) Acrylonitrile	5.149	53	184371	242.771	ug/l	98
16) Acetone	3.942	43	176817	277.278	ug/l #	88
17) Carbon Disulfide	4.186	76	338885	47.100	ug/l	99
18) Methyl Acetate	4.466	43	88706	45.217	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	357578	48.666	ug/l	95
20) Methylene Chloride	4.704	84	160428	52.263	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	144872	47.955	ug/l	86
22) Diisopropyl ether	6.112	45	413842	48.382	ug/l #	93
23) Vinyl Acetate	6.051	43	1310945	250.093	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	251260	48.521	ug/l	98
25) 2-Butanone	6.978	43	252823	249.474	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	239486	48.465	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	171719	48.900	ug/l	87
28) Bromochloromethane	7.326	49	86902	52.342	ug/l #	77
29) Tetrahydrofuran	7.338	42	151238	239.113	ug/l #	82
30) Chloroform	7.496	83	269439	49.053	ug/l	99
31) Cyclohexane	7.777	56	216156	46.047	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	248577	49.978	ug/l	95
36) 1,1-Dichloropropene	7.911	75	200469	48.982	ug/l	96
37) Ethyl Acetate	7.070	43	104874	48.745	ug/l #	94
38) Carbon Tetrachloride	7.893	117	227583	49.983	ug/l	97
39) Methylcyclohexane	9.179	83	253479	49.671	ug/l	89
40) Benzene	8.155	78	578866	49.133	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	54828m	44.577	ug/l	
42) 1,2-Dichloroethane	8.234	62	171252	48.880	ug/l	92
43) Isopropyl Acetate	8.271	43	194634	49.432	ug/l #	90
44) Trichloroethene	8.935	130	171141	49.348	ug/l	99
45) 1,2-Dichloropropane	9.209	63	140373	48.853	ug/l	95
46) Dibromomethane	9.301	93	84280	48.639	ug/l	95
47) Bromodichloromethane	9.496	83	207893	50.511	ug/l	98
48) Methyl methacrylate	9.289	41	89679	50.713	ug/l #	86
49) 1,4-Dioxane	9.295	88	22189	967.365	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	540073	250.068	ug/l	89
52) Toluene	10.240	92	379018	49.161	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	211624	49.963	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	238067	49.832	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	121270	49.200	ug/l	99
56) Ethyl methacrylate	10.508	69	161937	50.026	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	203063	49.546	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	196576	217.692	ug/l	93
59) 2-Hexanone	10.831	43	382319	259.696	ug/l	88
60) Dibromochloromethane	10.983	129	152135	50.508	ug/l	99
61) 1,2-Dibromoethane	11.087	107	116582	48.723	ug/l	99
64) Tetrachloroethene	10.715	164	166741	48.724	ug/l	98
65) Chlorobenzene	11.514	112	418476	49.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	159031	50.570	ug/l	99
67) Ethyl Benzene	11.593	91	739427	49.205	ug/l	96
68) m/p-Xylenes	11.703	106	584362	99.050	ug/l	93
69) o-Xylene	12.026	106	279911	49.689	ug/l	93
70) Styrene	12.044	104	472657	49.574	ug/l	96
71) Bromoform	12.209	173	97915	49.801	ug/l #	98
73) Isopropylbenzene	12.331	105	751362	49.282	ug/l	99
74) N-amyl acetate	12.142	43	180033	50.609	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	138050	48.404	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	104782m	48.586	ug/l	
77) Bromobenzene	12.605	156	176898	48.966	ug/l	92
78) n-propylbenzene	12.672	91	885856	49.067	ug/l	97
79) 2-Chlorotoluene	12.758	91	495713	48.879	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	631090	49.059	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	48558	49.993	ug/l	89
82) 4-Chlorotoluene	12.855	91	516488	48.954	ug/l	98
83) tert-Butylbenzene	13.075	119	561510	49.940	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	623233	49.514	ug/l	98
85) sec-Butylbenzene	13.251	105	825139	49.561	ug/l	98
86) p-Isopropyltoluene	13.367	119	702366	49.874	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	353275	48.697	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	344556	47.964	ug/l	99
89) n-Butylbenzene	13.696	91	638812	49.973	ug/l	98
90) Hexachloroethane	13.959	117	128939	48.765	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	312054	48.566	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23414	48.637	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	197912	49.593	ug/l	98
94) Hexachlorobutadiene	15.111	225	120326	49.972	ug/l	99
95) Naphthalene	15.233	128	393777	50.027	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	170700	49.001	ug/l	99

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

