

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011347.D
 Acq On : 07 Nov 2022 19:49
 Operator : KP/MD
 Sample : N5378-03MS
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-20221028-10.5-11.5MS

Quant Time: Nov 08 03:31:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/08/2022
 Supervised By :Mahesh Dadoda 11/08/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	201376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	317973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102001	47.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.720%		
35) Dibromofluoromethane	7.715	113	104198	51.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.000%		
50) Toluene-d8	10.178	98	377008	47.530	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.060%		
62) 4-Bromofluorobenzene	12.477	95	123340	44.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.899	85	75196	46.976	ug/l	100
3) Chloromethane	2.113	50	93119	41.702	ug/l	98
4) Vinyl Chloride	2.247	62	109929	44.072	ug/l	100
5) Bromomethane	2.643	94	70537	42.388	ug/l	98
6) Chloroethane	2.790	64	72985	45.535	ug/l	100
7) Trichlorofluoromethane	3.119	101	179448	48.697	ug/l	93
8) Diethyl Ether	3.527	74	67755	51.241	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	109884	49.597	ug/l	95
10) Methyl Iodide	4.088	142	122108	42.816	ug/l	91
11) Tert butyl alcohol	4.954	59	57147	259.236	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	104819	47.852	ug/l	84
13) Acrolein	3.722	56	3548	13.435	ug/l	99
14) Allyl chloride	4.472	41	140955	42.482	ug/l #	83
15) Acrylonitrile	5.155	53	180188	271.573	ug/l	96
16) Acetone	3.942	43	186642	287.085	ug/l #	80
17) Carbon Disulfide	4.186	76	384310	53.417	ug/l	99
18) Methyl Acetate	4.472	43	97839	56.844	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	316124	54.309	ug/l	98
20) Methylene Chloride	4.710	84	160047	61.336	ug/l #	80
21) trans-1,2-Dichloroethene	5.210	96	117201	47.042	ug/l	85
22) Diisopropyl ether	6.112	45	345082	50.162	ug/l #	89
23) Vinyl Acetate	6.057	43	964720	229.758	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	209279	48.578	ug/l	98
25) 2-Butanone	6.978	43	237097	259.191	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	173773	44.113	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	135445	49.338	ug/l	84
28) Bromochloromethane	7.325	49	83952	50.731	ug/l #	78
29) Tetrahydrofuran	7.344	42	147120	276.263	ug/l #	81
30) Chloroform	7.502	83	217711	50.036	ug/l	99
31) Cyclohexane	7.783	56	173477	43.457	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	190671	49.406	ug/l	95
36) 1,1-Dichloropropene	7.911	75	160758	48.185	ug/l	97
37) Ethyl Acetate	7.069	43	92683	51.534	ug/l #	91
38) Carbon Tetrachloride	7.898	117	170903	49.376	ug/l	98
39) Methylcyclohexane	9.179	83	175124	43.146	ug/l	91
40) Benzene	8.154	78	479944	48.947	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	54779m	56.055	ug/l	
42) 1,2-Dichloroethane	8.234	62	136917	51.422	ug/l	89
43) Isopropyl Acetate	8.270	43	169481	53.487	ug/l #	86
44) Trichloroethene	8.935	130	130969	49.910	ug/l	97
45) 1,2-Dichloropropane	9.209	63	121349	50.059	ug/l	95
46) Dibromomethane	9.301	93	71836	52.448	ug/l	98
47) Bromodichloromethane	9.490	83	165217	50.886	ug/l	97
48) Methyl methacrylate	9.288	41	76261	52.398	ug/l #	75
49) 1,4-Dioxane	9.294	88	24210	1313.909	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	483326	280.530	ug/l #	85
52) Toluene	10.239	92	303123	49.857	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	165147	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	184366	47.121	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	105491	53.740	ug/l	96
56) Ethyl methacrylate	10.508	69	145291	56.033	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	176195	52.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	317583	261.259	ug/l	94
59) 2-Hexanone	10.831	43	344083	279.737	ug/l	82
60) Dibromochloromethane	10.983	129	123872	53.111	ug/l	100
61) 1,2-Dibromoethane	11.087	107	100182	53.756	ug/l	99
64) Tetrachloroethene	10.715	164	131653	55.908	ug/l	97
65) Chlorobenzene	11.514	112	304854	49.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	120032	53.301	ug/l	98
67) Ethyl Benzene	11.587	91	547311	50.448	ug/l	99
68) m/p-Xylenes	11.696	106	428069	101.646	ug/l	93
69) o-Xylene	12.026	106	204237	51.736	ug/l	93
70) Styrene	12.044	104	320410	47.878	ug/l	96
71) Bromoform	12.202	173	80851	57.764	ug/l #	98
73) Isopropylbenzene	12.324	105	508705	54.293	ug/l	100
74) N-amyl acetate	12.142	43	127845	54.357	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.580	83	119330	61.546	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	89974m	58.975	ug/l	
77) Bromobenzene	12.605	156	122737	55.690	ug/l	99
78) n-propylbenzene	12.666	91	583677	50.909	ug/l	98
79) 2-Chlorotoluene	12.751	91	333539	50.774	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	409094	51.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	37751	52.956	ug/l #	81
82) 4-Chlorotoluene	12.849	91	340879	50.354	ug/l	99
83) tert-Butylbenzene	13.074	119	346276	50.687	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	403292	51.430	ug/l	99
85) sec-Butylbenzene	13.251	105	473480	46.745	ug/l	100
86) p-Isopropyltoluene	13.367	119	397456	47.077	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	216190	48.920	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	215543	48.631	ug/l	98
89) n-Butylbenzene	13.690	91	318236	40.366	ug/l	98
90) Hexachloroethane	13.958	117	69494	41.159	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	196750	49.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19513	58.749	ug/l	76
93) 1,2,4-Trichlorobenzene	15.001	180	83226	34.883	ug/l	99
94) Hexachlorobutadiene	15.110	225	37320	26.864	ug/l	98
95) Naphthalene	15.232	128	241761	43.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	71694	34.193	ug/l	99

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

