

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009007.D
 Acq On : 23 May 2022 15:30
 Operator : KP/MD
 Sample : N2887-06MSD
 Misc : 3.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-0006-01MSD

Quant Time: May 24 01:48:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	161008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46117	48.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.740%		
35) Dibromofluoromethane	7.709	113	46922	46.865	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.740%		
50) Toluene-d8	10.178	98	134564	36.431	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	72.860%		
62) 4-Bromofluorobenzene	12.483	95	52019	34.913	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	47998	57.237	ug/l	98
3) Chloromethane	2.107	50	83076	69.151	ug/l	93
4) Vinyl Chloride	2.247	62	121355	68.182	ug/l	96
5) Bromomethane	2.637	94	93817	53.773	ug/l	99
6) Chloroethane	2.789	64	84580	67.077	ug/l	100
7) Trichlorofluoromethane	3.119	101	82074	54.299	ug/l	98
8) Diethyl Ether	3.527	74	29793	63.037	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	44589	47.998	ug/l	96
10) Methyl Iodide	4.082	142	51549	53.738	ug/l	92
11) Tert butyl alcohol	4.954	59	26547	277.359	ug/l #	93
12) 1,1-Dichloroethene	3.862	96	46359	53.757	ug/l	85
13) Acrolein	3.716	56	1728	54.849	ug/l #	65
14) Allyl chloride	4.472	41	75793	58.319	ug/l #	89
15) Acrylonitrile	5.155	53	80138	302.832	ug/l	98
16) Acetone	3.942	43	53211	270.903	ug/l #	89
17) Carbon Disulfide	4.186	76	146912	52.145	ug/l	100
18) Methyl Acetate	4.472	43	92000	150.413	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	157575	60.877	ug/l	95
20) Methylene Chloride	4.704	84	62481	58.274	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	58952	53.259	ug/l	86
22) Diisopropyl ether	6.118	45	179377	57.450	ug/l #	91
23) Vinyl Acetate	6.057	43	248808m	120.468	ug/l	
24) 1,1-Dichloroethane	6.015	63	103428	55.383	ug/l	99
25) 2-Butanone	6.978	43	102477	292.100	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	93480	54.340	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	67992	54.491	ug/l	88
28) Bromochloromethane	7.325	49	39970	62.356	ug/l #	95
29) Tetrahydrofuran	7.344	42	73742	309.437	ug/l #	86
30) Chloroform	7.502	83	109640	54.388	ug/l	94
31) Cyclohexane	7.782	56	74475	40.344	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	95526	52.231	ug/l	98
36) 1,1-Dichloropropene	7.911	75	75803	44.489	ug/l	99
37) Ethyl Acetate	7.069	43	27560	31.182	ug/l	96
38) Carbon Tetrachloride	7.898	117	80402	45.109	ug/l	100
39) Methylcyclohexane	9.179	83	64755	29.443	ug/l #	86
40) Benzene	8.154	78	250315	50.946	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25174m	55.195	ug/l	
42) 1,2-Dichloroethane	8.234	62	80510	55.803	ug/l	94
43) Isopropyl Acetate	8.270	43	61397	37.359	ug/l #	91
44) Trichloroethene	8.935	130	57661	44.322	ug/l	96
45) 1,2-Dichloropropane	9.215	63	62157	52.686	ug/l	98
46) Dibromomethane	9.301	93	40504	53.994	ug/l	94
47) Bromodichloromethane	9.496	83	88076	51.374	ug/l	99
48) Methyl methacrylate	9.288	41	49217	67.068	ug/l #	83
49) 1,4-Dioxane	9.294	88	11504	1147.195	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	267774	294.409	ug/l	92
52) Toluene	10.239	92	154667	45.045	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	91548	50.285	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	97802	49.971	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	55046	52.449	ug/l	92
56) Ethyl methacrylate	10.508	69	50761	37.831	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	90711	52.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	165348	284.837	ug/l	96
59) 2-Hexanone	10.831	43	176278	283.073	ug/l	91
60) Dibromochloromethane	10.983	129	62734	49.311	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51758	49.768	ug/l	99
64) Tetrachloroethene	10.715	164	46632	47.660	ug/l	98
65) Chlorobenzene	11.514	112	147145	47.692	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	62470	55.296	ug/l	97
67) Ethyl Benzene	11.593	91	256532	46.137	ug/l	98
68) m/p-Xylenes	11.703	106	205396	90.997	ug/l	92
69) o-Xylene	12.026	106	99027	47.244	ug/l	92
70) Styrene	12.044	104	195447	54.221	ug/l	93
71) Bromoform	12.209	173	40393	53.935	ug/l #	97
73) Isopropylbenzene	12.330	105	227037	58.839	ug/l	100
74) N-amyl acetate	12.141	43	33411	37.529	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.580	83	65209	82.039	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	48726m	87.929	ug/l	
77) Bromobenzene	12.605	156	56242	62.879	ug/l	99
78) n-propylbenzene	12.672	91	245536	55.077	ug/l	99
79) 2-Chlorotoluene	12.757	91	142954	55.592	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	156831	48.492	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	22050	81.670	ug/l #	73
82) 4-Chlorotoluene	12.855	91	147721	53.709	ug/l	97
83) tert-Butylbenzene	13.074	119	148370	51.709	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	171674	53.471	ug/l	98
85) sec-Butylbenzene	13.251	105	188959	43.042	ug/l	99
86) p-Isopropyltoluene	13.367	119	150199	41.028	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	86397	45.281	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	87705	45.753	ug/l	98
89) n-Butylbenzene	13.696	91	104581	31.226	ug/l	99
90) Hexachloroethane	13.958	117	30002	43.731	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	61439	36.478	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9053	73.361	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	20504	22.182	ug/l	98
94) Hexachlorobutadiene	15.110	225	8112	16.102	ug/l	95
95) Naphthalene	15.232	128	72913	39.266	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	17425	21.693	ug/l	99

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

