

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012839.D
 Acq On : 07 Mar 2023 12:17
 Operator : KP/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Quant Time: Mar 07 12:52:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	104093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	156512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	142672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46546	45.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.080%		
35) Dibromofluoromethane	7.716	113	45948	48.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.300%		
50) Toluene-d8	10.179	98	165164	47.831	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.660%		
62) 4-Bromofluorobenzene	12.483	95	57285	49.151	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21798	21.246	ug/l	100
3) Chloromethane	2.113	50	24311	19.820	ug/l	97
4) Vinyl Chloride	2.253	62	23549	20.937	ug/l	100
5) Bromomethane	2.643	94	14125	20.668	ug/l	92
6) Chloroethane	2.790	64	14929	22.163	ug/l	98
7) Trichlorofluoromethane	3.125	101	40110	21.471	ug/l	98
8) Diethyl Ether	3.527	74	12986	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	23581	20.981	ug/l	98
10) Methyl Iodide	4.094	142	28826	19.684	ug/l	98
11) Tert butyl alcohol	4.948	59	14358	109.471	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	23156	21.602	ug/l	91
13) Acrolein	3.729	56	16678	92.108	ug/l	100
14) Allyl chloride	4.478	41	38010	19.196	ug/l	98
15) Acrylonitrile	5.161	53	35207	102.070	ug/l	99
16) Acetone	3.948	43	39727	97.932	ug/l	91
17) Carbon Disulfide	4.198	76	75971	20.822	ug/l	97
18) Methyl Acetate	4.472	43	23472	19.430	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	55259	19.958	ug/l	99
20) Methylene Chloride	4.716	84	30321	21.423	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	24137	20.721	ug/l	94
22) Diisopropyl ether	6.118	45	72888	20.267	ug/l	99
23) Vinyl Acetate	6.057	43	225121	100.745	ug/l	100
24) 1,1-Dichloroethane	6.015	63	42373	20.677	ug/l	99
25) 2-Butanone	6.984	43	49637	98.791	ug/l	99
26) 2,2-Dichloropropane	6.978	77	38235	21.007	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	25777	20.640	ug/l	98
28) Bromochloromethane	7.338	49	15652	20.900	ug/l	94
29) Tetrahydrofuran	7.350	42	30697	101.299	ug/l	99
30) Chloroform	7.508	83	43650	21.564	ug/l	95
31) Cyclohexane	7.783	56	38569	19.486	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	38545	21.056	ug/l	98
36) 1,1-Dichloropropene	7.917	75	33314	21.047	ug/l	99
37) Ethyl Acetate	7.076	43	21689	21.740	ug/l	97
38) Carbon Tetrachloride	7.899	117	36502	22.331	ug/l	96
39) Methylcyclohexane	9.185	83	38041	20.215	ug/l	97
40) Benzene	8.161	78	98018	21.891	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	10167m	18.915	ug/l	
42) 1,2-Dichloroethane	8.234	62	29826	22.157	ug/l	100
43) Isopropyl Acetate	8.270	43	35609	20.006	ug/l	98
44) Trichloroethene	8.941	130	25824	21.876	ug/l	98
45) 1,2-Dichloropropane	9.215	63	24002	21.211	ug/l	97
46) Dibromomethane	9.307	93	13990	21.701	ug/l	96
47) Bromodichloromethane	9.496	83	33064	21.765	ug/l	100
48) Methyl methacrylate	9.295	41	17002	20.730	ug/l	98
49) 1,4-Dioxane	9.301	88	3811	457.292	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	102365	106.023	ug/l	100
52) Toluene	10.246	92	60370	22.357	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	33547	21.053	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	38502	21.348	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	19801	22.055	ug/l	97
56) Ethyl methacrylate	10.508	69	25209	21.058	ug/l	98
57) 1,3-Dichloropropane	10.788	76	33362	21.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	65486	104.206	ug/l	98
59) 2-Hexanone	10.831	43	74888	106.723	ug/l	100
60) Dibromochloromethane	10.989	129	24122	22.072	ug/l	99
61) 1,2-Dibromoethane	11.087	107	18886	21.838	ug/l	99
64) Tetrachloroethene	10.721	164	22625	21.781	ug/l	94
65) Chlorobenzene	11.520	112	63739	21.287	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	24201	21.842	ug/l	99
67) Ethyl Benzene	11.593	91	111180	21.119	ug/l	99
68) m/p-Xylenes	11.703	106	87894	43.399	ug/l	99
69) o-Xylene	12.032	106	40603	21.482	ug/l	98
70) Styrene	12.044	104	68928	21.853	ug/l	99
71) Bromoform	12.209	173	16125	22.321	ug/l #	97
73) Isopropylbenzene	12.331	105	108335	20.523	ug/l	100
74) N-amyl acetate	12.142	43	31616	19.036	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25061	21.120	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20535m	23.087	ug/l	
77) Bromobenzene	12.611	156	27043	21.088	ug/l	97
78) n-propylbenzene	12.672	91	134876	20.725	ug/l	99
79) 2-Chlorotoluene	12.757	91	74902	20.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	90377	20.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8585	19.999	ug/l	98
82) 4-Chlorotoluene	12.855	91	78739	21.030	ug/l	99
83) tert-Butylbenzene	13.074	119	75522	20.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	88339	20.738	ug/l	99
85) sec-Butylbenzene	13.257	105	117720	20.523	ug/l	100
86) p-Isopropyltoluene	13.373	119	97477	20.793	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	53533	21.645	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	52907	20.960	ug/l	98
89) n-Butylbenzene	13.696	91	92100	20.522	ug/l	99
90) Hexachloroethane	13.965	117	20220	20.708	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	48110	21.519	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4109	21.426	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	28109	20.420	ug/l	99
94) Hexachlorobutadiene	15.111	225	17759	21.152	ug/l	98
95) Naphthalene	15.239	128	55682	20.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25431	20.772	ug/l	98

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

