

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015561.D
 Acq On : 15 Sep 2023 11:37
 Operator : SY/MD
 Sample : VY0915SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS01

Quant Time: Sep 15 15:34:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
 Supervised By :Semsettin Yesilyurt 09/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139471	70.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.500%			
35) Dibromofluoromethane	7.716	113	124825	69.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 139.580%			
50) Toluene-d8	10.179	98	407972	62.990	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 125.980%			
62) 4-Bromofluorobenzene	12.483	95	163435	67.973	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 135.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24044	15.042	ug/l	90
3) Chloromethane	2.113	50	31640	14.905	ug/l	98
4) Vinyl Chloride	2.247	62	36421	14.740	ug/l	97
5) Bromomethane	2.643	94	26405	15.019	ug/l	98
6) Chloroethane	2.784	64	27101	16.687	ug/l	98
7) Trichlorofluoromethane	3.119	101	61188	17.507	ug/l	100
8) Diethyl Ether	3.534	74	24277	20.325	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	35895	18.530	ug/l	96
10) Methyl Iodide	4.088	142	34243	15.053	ug/l	96
11) Tert butyl alcohol	4.930	59	70427	151.819	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	31515	17.241	ug/l	93
13) Acrolein	3.729	56	29914	63.725	ug/l	97
14) Allyl chloride	4.472	41	55848	19.189	ug/l	96
15) Acrylonitrile	5.167	53	81996	109.093	ug/l	97
16) Acetone	3.954	43	98518	119.738	ug/l	97
17) Carbon Disulfide	4.186	76	64236	11.754	ug/l	100
18) Methyl Acetate	4.479	43	62023	20.812	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	128338	21.602	ug/l	100
20) Methylene Chloride	4.710	84	61991	19.228	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	37558	17.843	ug/l	99
22) Diisopropyl ether	6.118	45	133380	20.954	ug/l	97
23) Vinyl Acetate	6.057	43	415958	103.501	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	73278	19.915	ug/l	97
25) 2-Butanone	6.990	43	136781	117.210	ug/l	96
26) 2,2-Dichloropropane	6.984	77	67981	21.752	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	47863	20.044	ug/l	98
28) Bromochloromethane	7.332	49	22438	19.885	ug/l	92
29) Tetrahydrofuran	7.356	42	76187	103.962	ug/l	92
30) Chloroform	7.508	83	82628	21.361	ug/l	99
31) Cyclohexane	7.783	56	54725	15.629	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	68639	19.867	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54381	17.317	ug/l	99
37) Ethyl Acetate	7.076	43	49839	20.577	ug/l #	95
38) Carbon Tetrachloride	7.905	117	59592	18.373	ug/l	99
39) Methylcyclohexane	9.185	83	61459	15.545	ug/l	93
40) Benzene	8.161	78	164659	18.793	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	22258	19.597	ug/l	92
42) 1,2-Dichloroethane	8.240	62	58979	20.187	ug/l	96
43) Isopropyl Acetate	8.271	43	87444	20.879	ug/l	96
44) Trichloroethene	8.941	130	47370	19.109	ug/l	95
45) 1,2-Dichloropropane	9.215	63	44351	20.080	ug/l	99
46) Dibromomethane	9.307	93	29492	20.101	ug/l	96
47) Bromodichloromethane	9.496	83	66576	21.219	ug/l	100
48) Methyl methacrylate	9.295	41	38159	19.858	ug/l	93
49) 1,4-Dioxane	9.307	88	10922	400.781	ug/l #	47
51) 4-Methyl-2-Pentanone	10.069	43	265621	109.117	ug/l	94
52) Toluene	10.246	92	108189	19.266	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	68494	20.541	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	74080	20.423	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	41290	20.887	ug/l	98
56) Ethyl methacrylate	10.508	69	61111	20.861	ug/l	90
57) 1,3-Dichloropropane	10.788	76	70240	20.641	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	102421	97.950	ug/l	94
59) 2-Hexanone	10.831	43	205287	112.390	ug/l	91
60) Dibromochloromethane	10.983	129	49201	21.264	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41666	20.801	ug/l	98
64) Tetrachloroethene	10.721	164	51860	20.078	ug/l	98
65) Chlorobenzene	11.514	112	122371	19.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	47695	21.250	ug/l	99
67) Ethyl Benzene	11.593	91	213426	19.383	ug/l	100
68) m/p-Xylenes	11.703	106	165061	38.673	ug/l	95
69) o-Xylene	12.032	106	80498	19.735	ug/l	98
70) Styrene	12.044	104	137026	19.979	ug/l	98
71) Bromoform	12.209	173	34319	21.920	ug/l #	98
73) Isopropylbenzene	12.331	105	213714	19.250	ug/l	100
74) N-amyl acetate	12.142	43	75694	20.294	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	54283	20.482	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	45021m	22.969	ug/l	
77) Bromobenzene	12.611	156	52331	19.902	ug/l	96
78) n-propylbenzene	12.672	91	258973	19.278	ug/l	99
79) 2-Chlorotoluene	12.758	91	146559	19.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	180299	19.416	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18002	20.260	ug/l	98
82) 4-Chlorotoluene	12.855	91	152186	19.434	ug/l	99
83) tert-Butylbenzene	13.075	119	156018	19.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	180592	19.587	ug/l	100
85) sec-Butylbenzene	13.251	105	235151	19.384	ug/l	99
86) p-Isopropyltoluene	13.367	119	198435	19.517	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	104370	20.106	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	106725	20.339	ug/l	99
89) n-Butylbenzene	13.696	91	187589	19.602	ug/l	97
90) Hexachloroethane	13.965	117	36851	20.265	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	97638	20.610	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11127	21.224	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	62300	20.941	ug/l	99
94) Hexachlorobutadiene	15.111	225	32665	20.135	ug/l	98
95) Naphthalene	15.239	128	156235	21.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	56834	20.943	ug/l	99

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

