

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092523\
 Data File : VY015699.D
 Acq On : 25 Sep 2023 12:50
 Operator : SY/MD
 Sample : VY0925SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0925SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2023
 Supervised By :Semsettin Yesilyurt 09/26/2023

Quant Time: Sep 26 04:23:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	161015	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	267647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	239559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	124339	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72746	41.062	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.120%
35) Dibromofluoromethane	7.722	113	72324	45.147	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.300%
50) Toluene-d8	10.185	98	229530	42.258	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.520%
62) 4-Bromofluorobenzene	12.483	95	92562	43.424	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22041	20.767	ug/l	97
3) Chloromethane	2.113	50	27063	20.212	ug/l	99
4) Vinyl Chloride	2.247	62	31854	20.807	ug/l	97
5) Bromomethane	2.644	94	21800	16.766	ug/l	100
6) Chloroethane	2.784	64	23112	20.368	ug/l	96
7) Trichlorofluoromethane	3.119	101	57223	22.288	ug/l	98
8) Diethyl Ether	3.534	74	22912	20.926	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	35518	22.094	ug/l	95
10) Methyl Iodide	4.088	142	32303	18.884	ug/l	96
11) Tert butyl alcohol	4.997	59	43142	86.274	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	29948	21.141	ug/l	87
13) Acrolein	3.735	56	19063	70.260	ug/l	100
14) Allyl chloride	4.479	41	53685	20.728	ug/l	94
15) Acrylonitrile	5.168	53	85067	105.911	ug/l	98
16) Acetone	3.960	43	109722	115.730	ug/l	90
17) Carbon Disulfide	4.192	76	49993	18.167	ug/l	99
18) Methyl Acetate	4.485	43	63918	20.093	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	121378	21.038	ug/l	99
20) Methylene Chloride	4.716	84	49993	21.299	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	34512	21.315	ug/l	92
22) Diisopropyl ether	6.125	45	132700	21.290	ug/l	95
23) Vinyl Acetate	6.064	43	410423	106.680	ug/l	97
24) 1,1-Dichloroethane	6.015	63	71639	21.087	ug/l	97
25) 2-Butanone	6.996	43	145409	108.507	ug/l	96
26) 2,2-Dichloropropane	6.984	77	62528	20.137	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	45129	20.995	ug/l	95
28) Bromochloromethane	7.338	49	15021	16.296	ug/l	99
29) Tetrahydrofuran	7.356	42	80059	105.698	ug/l	95
30) Chloroform	7.509	83	78243	21.505	ug/l	94
31) Cyclohexane	7.789	56	50454	20.558	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	66629	22.184	ug/l	98
36) 1,1-Dichloropropene	7.923	75	50084	21.145	ug/l	99
37) Ethyl Acetate	7.082	43	52197	22.093	ug/l	97
38) Carbon Tetrachloride	7.905	117	56523	21.984	ug/l	99
39) Methylcyclohexane	9.191	83	54269	20.715	ug/l	94
40) Benzene	8.161	78	154398	21.375	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27758m	21.820	ug/l	
42) 1,2-Dichloroethane	8.240	62	52531	21.235	ug/l	95
43) Isopropyl Acetate	8.277	43	86004	21.310	ug/l	97
44) Trichloroethene	8.947	130	44366	21.991	ug/l	96
45) 1,2-Dichloropropane	9.222	63	43481	21.586	ug/l	98
46) Dibromomethane	9.307	93	27128	21.054	ug/l	95
47) Bromodichloromethane	9.502	83	61569	21.437	ug/l	95
48) Methyl methacrylate	9.301	41	37359	21.090	ug/l	91
49) 1,4-Dioxane	9.319	88	12133	476.631	ug/l #	57
51) 4-Methyl-2-Pentanone	10.075	43	274823	109.866	ug/l	94
52) Toluene	10.246	92	101579	21.813	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	64808	21.042	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	70321	21.211	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	41751	22.110	ug/l	99
56) Ethyl methacrylate	10.514	69	59179	21.266	ug/l #	87
57) 1,3-Dichloropropane	10.795	76	68188	21.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	83804	94.809	ug/l	97
59) 2-Hexanone	10.837	43	219397	114.321	ug/l	91
60) Dibromochloromethane	10.990	129	47515	21.556	ug/l	99
61) 1,2-Dibromoethane	11.093	107	40010	21.658	ug/l	98
64) Tetrachloroethene	10.727	164	47164	22.947	ug/l	96
65) Chlorobenzene	11.520	112	115921	22.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	45644	22.472	ug/l	99
67) Ethyl Benzene	11.599	91	204871	22.415	ug/l	99
68) m/p-Xylenes	11.709	106	155626	44.798	ug/l	96
69) o-Xylene	12.032	106	76101	22.340	ug/l	97
70) Styrene	12.050	104	129992	22.294	ug/l	98
71) Bromoform	12.215	173	32863	22.327	ug/l #	98
73) Isopropylbenzene	12.337	105	206871	22.179	ug/l	100
74) N-amyl acetate	12.148	43	77400	22.078	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	55925	21.543	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	41427m	20.885	ug/l	
77) Bromobenzene	12.611	156	49356	21.556	ug/l	94
78) n-propylbenzene	12.678	91	251259	22.173	ug/l	99
79) 2-Chlorotoluene	12.764	91	140888	21.812	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	173165	22.176	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	18612	21.129	ug/l	95
82) 4-Chlorotoluene	12.861	91	147229	21.834	ug/l	100
83) tert-Butylbenzene	13.081	119	152252	22.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	171763	21.984	ug/l	98
85) sec-Butylbenzene	13.258	105	230233	22.495	ug/l	100
86) p-Isopropyltoluene	13.373	119	190555	22.288	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	99056	21.808	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	99362	21.872	ug/l	99
89) n-Butylbenzene	13.703	91	180009	22.235	ug/l	97
90) Hexachloroethane	13.965	117	35902	21.758	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	91708	21.871	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11047	21.427	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	58402	22.124	ug/l	99
94) Hexachlorobutadiene	15.117	225	29377	21.731	ug/l	98
95) Naphthalene	15.245	128	150252	21.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	53633	22.013	ug/l	98

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

