

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015310.D
 Acq On : 24 Aug 2023 14:22
 Operator : SY/MD
 Sample : VY0824SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0824SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023
 Supervised By :Semsettin Yesilyurt 08/25/2023

Quant Time: Aug 25 03:18:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	266660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	244188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106819	56.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.640%			
35) Dibromofluoromethane	7.716	113	93507	54.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.179	98	338251	52.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.483	95	121534	52.104	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	14800	18.945	ug/l	100
3) Chloromethane	2.113	50	18346	17.104	ug/l	99
4) Vinyl Chloride	2.247	62	22312	17.905	ug/l	99
5) Bromomethane	2.625	94	20094	20.918	ug/l	91
6) Chloroethane	2.778	64	18037	19.936	ug/l	95
7) Trichlorofluoromethane	3.113	101	41308	19.672	ug/l	97
8) Diethyl Ether	3.521	74	17182	20.864	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.887	101	26523	20.324	ug/l	95
10) Methyl Iodide	4.082	142	22429	17.503	ug/l	96
11) Tert butyl alcohol	4.942	59	44956	137.993	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	20920	19.197	ug/l	94
13) Acrolein	3.723	56	17813	121.602	ug/l	98
14) Allyl chloride	4.473	41	38825	20.095	ug/l	98
15) Acrylonitrile	5.161	53	63194	113.234	ug/l	99
16) Acetone	3.942	43	68185	111.026	ug/l	98
17) Carbon Disulfide	4.186	76	29130	15.189	ug/l	97
18) Methyl Acetate	4.473	43	49632	22.053	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	98462	21.250	ug/l	98
20) Methylene Chloride	4.710	84	43071	27.288	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	23672	19.258	ug/l	95
22) Diisopropyl ether	6.112	45	105366	21.856	ug/l	94
23) Vinyl Acetate	6.058	43	290811	101.094	ug/l	95
24) 1,1-Dichloroethane	6.015	63	56545	21.664	ug/l	97
25) 2-Butanone	6.984	43	96570	111.057	ug/l	98
26) 2,2-Dichloropropane	6.972	77	47607	18.921	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	35157	20.938	ug/l	97
28) Bromochloromethane	7.326	49	27350	22.808	ug/l	95
29) Tetrahydrofuran	7.350	42	56330	108.339	ug/l	93
30) Chloroform	7.509	83	62351	21.310	ug/l	98
31) Cyclohexane	7.783	56	34948	19.242	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	51217	20.571	ug/l	98
36) 1,1-Dichloropropene	7.917	75	36391	19.174	ug/l	99
37) Ethyl Acetate	7.070	43	37771	21.351	ug/l	98
38) Carbon Tetrachloride	7.893	117	41645	18.541	ug/l	98
39) Methylcyclohexane	9.185	83	38065	17.891	ug/l	97
40) Benzene	8.155	78	116036	20.222	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	19585	21.469	ug/l #	65
42) 1,2-Dichloroethane	8.234	62	43211	20.735	ug/l	95
43) Isopropyl Acetate	8.271	43	65035	20.187	ug/l	99
44) Trichloroethene	8.941	130	33219	20.095	ug/l	93
45) 1,2-Dichloropropane	9.216	63	33010	20.401	ug/l	99
46) Dibromomethane	9.307	93	20795	20.377	ug/l	95
47) Bromodichloromethane	9.496	83	50025	20.542	ug/l	98
48) Methyl methacrylate	9.289	41	29978	21.753	ug/l	96
49) 1,4-Dioxane	9.301	88	7967	390.412	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	199361	106.775	ug/l	95
52) Toluene	10.246	92	75245	19.895	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	49127	19.196	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	53815	19.966	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	32907	21.207	ug/l	95
56) Ethyl methacrylate	10.508	69	45065	19.845	ug/l	92
57) 1,3-Dichloropropane	10.788	76	52738	20.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	113183	107.098	ug/l	95
59) 2-Hexanone	10.831	43	147269	106.573	ug/l	94
60) Dibromochloromethane	10.984	129	38123	20.596	ug/l	100
61) 1,2-Dibromoethane	11.087	107	29678	20.133	ug/l	100
64) Tetrachloroethene	10.721	164	35025	20.588	ug/l	97
65) Chlorobenzene	11.514	112	89383	20.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	36122	20.009	ug/l	98
67) Ethyl Benzene	11.593	91	151980	19.496	ug/l	99
68) m/p-Xylenes	11.703	106	115521	39.018	ug/l	97
69) o-Xylene	12.026	106	58222	19.740	ug/l	97
70) Styrene	12.044	104	101636	19.910	ug/l	97
71) Bromoform	12.209	173	24605	18.802	ug/l #	99
73) Isopropylbenzene	12.331	105	156235	19.489	ug/l	100
74) N-amyl acetate	12.142	43	56274	19.442	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	42977	20.584	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	32431m	21.412	ug/l	
77) Bromobenzene	12.611	156	38785	19.848	ug/l	96
78) n-propylbenzene	12.672	91	186606	19.602	ug/l	100
79) 2-Chlorotoluene	12.758	91	108024	19.670	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	130212	19.486	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	12043	17.464	ug/l	96
82) 4-Chlorotoluene	12.855	91	111725	19.692	ug/l	100
83) tert-Butylbenzene	13.075	119	118677	19.416	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	131453	19.686	ug/l	99
85) sec-Butylbenzene	13.251	105	175858	19.636	ug/l	99
86) p-Isopropyltoluene	13.367	119	145333	19.573	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	77886	20.095	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	79822	20.533	ug/l	97
89) n-Butylbenzene	13.696	91	137201	19.598	ug/l	98
90) Hexachloroethane	13.959	117	27409	18.607	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	72499	20.023	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8275	20.459	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	46924	20.187	ug/l	98
94) Hexachlorobutadiene	15.111	225	24397	19.295	ug/l	97
95) Naphthalene	15.233	128	115036	19.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43504	20.723	ug/l	99

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

