

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015559.D
 Acq On : 15 Sep 2023 10:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 15 15:33:23 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	7.795	168	181803	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	306834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	278887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107089	54.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.900%			
35) Dibromofluoromethane	7.722	113	100439	56.832	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.660%			
50) Toluene-d8	10.185	98	334869	52.323	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.483	95	131518	55.354	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	66513	42.088	ug/l	97
3) Chloromethane	2.113	50	94303	44.932	ug/l	97
4) Vinyl Chloride	2.253	62	107753	44.109	ug/l	96
5) Bromomethane	2.650	94	79363	45.658	ug/l	94
6) Chloroethane	2.790	64	77309	48.146	ug/l	97
7) Trichlorofluoromethane	3.125	101	158266	45.801	ug/l	99
8) Diethyl Ether	3.533	74	63144	53.470	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	91334	47.688	ug/l	95
10) Methyl Iodide	4.094	142	115516	51.360	ug/l	98
11) Tert butyl alcohol	4.984	59	80611	179.862	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	85724	47.434	ug/l	92
13) Acrolein	3.735	56	122172	226.780	ug/l	99
14) Allyl chloride	4.485	41	147829	51.375	ug/l	96
15) Acrylonitrile	5.173	53	189700	255.281	ug/l	98
16) Acetone	3.960	43	217745	267.677	ug/l	93
17) Carbon Disulfide	4.198	76	219495	40.625	ug/l	98
18) Methyl Acetate	4.485	43	169058	57.378	ug/l	92
19) Methyl tert-butyl Ether	5.228	73	321673	54.764	ug/l	99
20) Methylene Chloride	4.722	84	146688	57.600	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	102292	49.153	ug/l	96
22) Diisopropyl ether	6.124	45	345481	54.898	ug/l	92
23) Vinyl Acetate	6.064	43	980446	246.755	ug/l	96
24) 1,1-Dichloroethane	6.021	63	195301	53.685	ug/l	97
25) 2-Butanone	6.990	43	298987	259.142	ug/l	97
26) 2,2-Dichloropropane	6.984	77	167465	54.199	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	125462	53.142	ug/l	95
28) Bromochloromethane	7.338	49	63874	57.256	ug/l	94
29) Tetrahydrofuran	7.356	42	175501	242.227	ug/l	91
30) Chloroform	7.508	83	208384	54.490	ug/l	97
31) Cyclohexane	7.789	56	145801	42.116	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	179366	52.510	ug/l	98
36) 1,1-Dichloropropene	7.923	75	143097	46.113	ug/l	99
37) Ethyl Acetate	7.082	43	114348	47.778	ug/l	96
38) Carbon Tetrachloride	7.905	117	156950	48.970	ug/l	99
39) Methylcyclohexane	9.185	83	165366	42.328	ug/l	94
40) Benzene	8.167	78	434258	50.158	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	57248	51.008	ug/l	97
42) 1,2-Dichloroethane	8.240	62	145065	50.248	ug/l	96
43) Isopropyl Acetate	8.277	43	208919	50.481	ug/l	97
44) Trichloroethene	8.941	130	121698	49.681	ug/l	98
45) 1,2-Dichloropropane	9.221	63	112530	51.559	ug/l	93
46) Dibromomethane	9.307	93	73240	50.518	ug/l	96
47) Bromodichloromethane	9.502	83	166008	53.544	ug/l	98
48) Methyl methacrylate	9.295	41	93160	49.062	ug/l	91
49) 1,4-Dioxane	9.313	88	25714	954.884	ug/l #	57
51) 4-Methyl-2-Pentanone	10.075	43	605781	251.838	ug/l	93
52) Toluene	10.246	92	280203	50.495	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	174700	53.021	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	189093	52.756	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	102988	52.721	ug/l	96
56) Ethyl methacrylate	10.514	69	151806	52.441	ug/l	90
57) 1,3-Dichloropropane	10.794	76	173164	51.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	233141	225.638	ug/l	94
59) 2-Hexanone	10.837	43	460706	255.250	ug/l	91
60) Dibromochloromethane	10.989	129	123921	54.199	ug/l	99
61) 1,2-Dibromoethane	11.093	107	100988	51.020	ug/l	100
64) Tetrachloroethene	10.721	164	130339	51.490	ug/l	98
65) Chlorobenzene	11.520	112	309303	51.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	120206	54.648	ug/l	99
67) Ethyl Benzene	11.593	91	547986	50.781	ug/l	100
68) m/p-Xylenes	11.703	106	423506	101.249	ug/l	95
69) o-Xylene	12.032	106	205473	51.401	ug/l	99
70) Styrene	12.044	104	355808	52.936	ug/l	97
71) Bromoform	12.209	173	83348	54.320	ug/l #	99
73) Isopropylbenzene	12.331	105	543261	50.925	ug/l	99
74) N-amyl acetate	12.148	43	186482	52.032	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	132080	51.865	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	95885m	50.911	ug/l	
77) Bromobenzene	12.611	156	132416	52.408	ug/l	98
78) n-propylbenzene	12.672	91	652430	50.543	ug/l	99
79) 2-Chlorotoluene	12.757	91	373673	51.611	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	455607	51.060	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	45484	53.273	ug/l	97
82) 4-Chlorotoluene	12.855	91	385249	51.199	ug/l	99
83) tert-Butylbenzene	13.074	119	405181	51.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	453977	51.242	ug/l	99
85) sec-Butylbenzene	13.257	105	596476	51.169	ug/l	100
86) p-Isopropyltoluene	13.373	119	498738	51.049	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	258722	51.868	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	256003	50.773	ug/l	99
89) n-Butylbenzene	13.696	91	454361	49.411	ug/l	97
90) Hexachloroethane	13.965	117	94857	54.287	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	238449	52.383	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25038	49.702	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	146562	51.268	ug/l	99
94) Hexachlorobutadiene	15.117	225	77103	49.462	ug/l	98
95) Naphthalene	15.239	128	372773	52.641	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	135298	51.887	ug/l	98

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

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