

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015680.D
 Acq On : 22 Sep 2023 12:07
 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 22 22:53:02 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/25/2023
 Supervised By :Semsettin Yesilyurt 09/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66784	39.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.060%		
35) Dibromofluoromethane	7.722	113	65583	42.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.440%		
50) Toluene-d8	10.185	98	209506	40.250	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.500%		
62) 4-Bromofluorobenzene	12.483	95	84572	41.403	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.800%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	52111	50.834	ug/l	98
3) Chloromethane	2.113	50	63406	49.028	ug/l	97
4) Vinyl Chloride	2.253	62	75009	50.727	ug/l	97
5) Bromomethane	2.649	94	58617	46.219	ug/l	100
6) Chloroethane	2.790	64	56374	51.436	ug/l	97
7) Trichlorofluoromethane	3.119	101	126112	50.855	ug/l	98
8) Diethyl Ether	3.533	74	51236	48.449	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	79522	51.216	ug/l	95
10) Methyl Iodide	4.094	142	82356	45.373	ug/l	97
11) Tert butyl alcohol	4.984	59	76630	213.367	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	68159	49.817	ug/l	96
13) Acrolein	3.735	56	62584	238.819	ug/l	100
14) Allyl chloride	4.478	41	122732	49.062	ug/l	94
15) Acrylonitrile	5.167	53	177282	228.522	ug/l	98
16) Acetone	3.954	43	203429	222.151	ug/l	93
17) Carbon Disulfide	4.192	76	133087	50.071	ug/l	97
18) Methyl Acetate	4.485	43	143121	46.582	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	267878	48.072	ug/l	99
20) Methylene Chloride	4.716	84	94009	46.542	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	78111	49.948	ug/l	99
22) Diisopropyl ether	6.124	45	295436	49.074	ug/l	92
23) Vinyl Acetate	6.064	43	886347	238.529	ug/l	95
24) 1,1-Dichloroethane	6.021	63	160582	48.937	ug/l	97
25) 2-Butanone	6.990	43	277633	214.498	ug/l	99
26) 2,2-Dichloropropane	6.984	77	139712	46.583	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	101255	48.771	ug/l	95
28) Bromochloromethane	7.338	49	41915	47.081	ug/l	99
29) Tetrahydrofuran	7.356	42	165198	225.812	ug/l	95
30) Chloroform	7.508	83	170032	48.386	ug/l	95
31) Cyclohexane	7.789	56	112311	47.380	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	146696	50.568	ug/l	99
36) 1,1-Dichloropropene	7.923	75	115097	50.708	ug/l	100
37) Ethyl Acetate	7.076	43	105014	46.383	ug/l	97
38) Carbon Tetrachloride	7.905	117	127870	51.899	ug/l	97
39) Methylcyclohexane	9.185	83	128084	51.019	ug/l	95
40) Benzene	8.161	78	346143	50.007	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	54191	44.453	ug/l	91
42) 1,2-Dichloroethane	8.240	62	116013	48.938	ug/l	94
43) Isopropyl Acetate	8.277	43	183619	47.479	ug/l	97
44) Trichloroethene	8.941	130	97186	50.270	ug/l	95
45) 1,2-Dichloropropane	9.221	63	96568	50.027	ug/l	99
46) Dibromomethane	9.307	93	60939	49.353	ug/l	94
47) Bromodichloromethane	9.496	83	137213	49.855	ug/l	97
48) Methyl methacrylate	9.295	41	81915	48.255	ug/l	91
49) 1,4-Dioxane	9.307	88	23556	965.657	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	564920	235.670	ug/l	93
52) Toluene	10.246	92	224013	50.199	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	144873	49.086	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	157821	49.677	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	88449	48.880	ug/l	98
56) Ethyl methacrylate	10.514	69	132150	49.556	ug/l	89
57) 1,3-Dichloropropane	10.794	76	147975	48.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	184368	217.660	ug/l	96
59) 2-Hexanone	10.831	43	428303	232.892	ug/l	91
60) Dibromochloromethane	10.983	129	103886	49.181	ug/l	98
61) 1,2-Dibromoethane	11.093	107	85855	48.499	ug/l	100
64) Tetrachloroethene	10.721	164	100502	50.466	ug/l	97
65) Chlorobenzene	11.520	112	251801	49.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	100976	51.307	ug/l	99
67) Ethyl Benzene	11.593	91	450549	50.876	ug/l	98
68) m/p-Xylenes	11.703	106	345959	102.781	ug/l	95
69) o-Xylene	12.032	106	169691	51.412	ug/l	97
70) Styrene	12.044	104	294802	52.180	ug/l	96
71) Bromoform	12.209	173	72728	50.995	ug/l #	99
73) Isopropylbenzene	12.331	105	453920	50.463	ug/l	100
74) N-amyl acetate	12.142	43	163488	48.358	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	120645	48.192	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	95213m	49.774	ug/l	
77) Bromobenzene	12.611	156	107447	48.663	ug/l	94
78) n-propylbenzene	12.672	91	550985	50.421	ug/l	100
79) 2-Chlorotoluene	12.757	91	308207	49.479	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	376900	50.050	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	40945	48.201	ug/l	95
82) 4-Chlorotoluene	12.855	91	323639	49.770	ug/l	100
83) tert-Butylbenzene	13.074	119	329418	49.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	378696	50.260	ug/l	100
85) sec-Butylbenzene	13.251	105	494764	50.127	ug/l	100
86) p-Isopropyltoluene	13.367	119	414844	50.316	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	213718	48.790	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	215125	49.104	ug/l	99
89) n-Butylbenzene	13.696	91	393410	50.391	ug/l	98
90) Hexachloroethane	13.958	117	80384	50.517	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	197202	48.769	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22176	44.602	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	121755	47.829	ug/l	98
94) Hexachlorobutadiene	15.111	225	62918	48.263	ug/l	99
95) Naphthalene	15.233	128	315248	47.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	112088	47.705	ug/l	98

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

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