

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015705.D
 Acq On : 26 Sep 2023 09:26
 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 27 01:29:51 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 :John
 Carlone

09/27/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	155960	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	256026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	232052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120442	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.143	65	75335	43.902	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.800%
35) Dibromofluoromethane	7.722	113	72892	47.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.140%
50) Toluene-d8	10.185	98	230112	44.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.580%
62) 4-Bromofluorobenzene	12.483	95	94451	46.322	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.912	85	48481	47.159	ug/l	97
3) Chloromethane	2.113	50	60471	46.626	ug/l	99
4) Vinyl Chloride	2.253	62	71964	48.530	ug/l	97
5) Bromomethane	2.656	94	51920	40.338	ug/l	99
6) Chloroethane	2.796	64	50907	46.317	ug/l	90
7) Trichlorofluoromethane	3.125	101	122553	49.280	ug/l	97
8) Diethyl Ether	3.540	74	49770	46.930	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.900	101	75612	48.560	ug/l	96
10) Methyl Iodide	4.095	142	79861	43.964	ug/l	96
11) Tert butyl alcohol	5.003	59	105901	300.336	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	65984	48.090	ug/l	91
13) Acrolein	3.741	56	61613	234.447	ug/l	98
14) Allyl chloride	4.485	41	118123	47.086	ug/l	93
15) Acrylonitrile	5.180	53	190784	245.230	ug/l	98
16) Acetone	3.973	43	288543	314.206	ug/l	91
17) Carbon Disulfide	4.198	76	125279	47.000	ug/l	99
18) Methyl Acetate	4.491	43	158094	51.310	ug/l	95
19) Methyl tert-butyl Ether	5.235	73	267962	47.951	ug/l	100
20) Methylene Chloride	4.723	84	99480	49.407	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	74676	47.616	ug/l	96
22) Diisopropyl ether	6.125	45	285896	47.355	ug/l	96
23) Vinyl Acetate	6.070	43	882100	236.713	ug/l	95
24) 1,1-Dichloroethane	6.027	63	154605	46.982	ug/l	95
25) 2-Butanone	6.997	43	357003	275.037	ug/l	97
26) 2,2-Dichloropropane	6.984	77	137409	45.686	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	96138	46.175	ug/l	97
28) Bromochloromethane	7.332	49	38703	43.350	ug/l	98
29) Tetrahydrofuran	7.362	42	188430	256.838	ug/l	95
30) Chloroform	7.509	83	165522	46.969	ug/l	96
31) Cyclohexane	7.789	56	107610	45.268	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	139587	47.981	ug/l	99
36) 1,1-Dichloropropene	7.923	75	109620	48.381	ug/l	99
37) Ethyl Acetate	7.082	43	116868	51.711	ug/l	98
38) Carbon Tetrachloride	7.905	117	121608	49.446	ug/l	97
39) Methylcyclohexane	9.185	83	119420	47.652	ug/l	93
40) Benzene	8.161	78	332808	48.166	ug/l	100

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41) Methacrylonitrile	7.314	41	59762m	49.111	ug/l	
42) 1,2-Dichloroethane	8.240	62	113027	47.763	ug/l	94
43) Isopropyl Acetate	8.277	43	190812	49.426	ug/l	97
44) Trichloroethene	8.941	130	94077	48.748	ug/l	99
45) 1,2-Dichloropropane	9.222	63	92561	48.037	ug/l	99
46) Dibromomethane	9.307	93	60246	48.878	ug/l	96
47) Bromodichloromethane	9.502	83	133856	48.722	ug/l	99
48) Methyl methacrylate	9.295	41	85281	50.327	ug/l	89
49) 1,4-Dioxane	9.325	88	28238	1159.649	ug/l #	53
51) 4-Methyl-2-Pentanone	10.075	43	622681	260.228	ug/l	93
52) Toluene	10.246	92	213282	47.880	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	142519	48.374	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	154032	48.570	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	87720	48.563	ug/l	98
56) Ethyl methacrylate	10.514	69	134192	50.412	ug/l #	88
57) 1,3-Dichloropropane	10.795	76	147470	48.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	208083	246.094	ug/l	96
59) 2-Hexanone	10.837	43	522027	284.359	ug/l	91
60) Dibromochloromethane	10.990	129	104120	49.380	ug/l	100
61) 1,2-Dibromoethane	11.093	107	86944	49.201	ug/l	100
64) Tetrachloroethene	10.721	164	102977	51.723	ug/l	98
65) Chlorobenzene	11.520	112	240803	47.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	97029	49.315	ug/l	98
67) Ethyl Benzene	11.593	91	433469	48.961	ug/l	99
68) m/p-Xylenes	11.703	106	328845	97.723	ug/l	96
69) o-Xylene	12.032	106	160997	48.791	ug/l	99
70) Styrene	12.044	104	280548	49.671	ug/l	97
71) Bromoform	12.209	173	74229	52.062	ug/l #	99
73) Isopropylbenzene	12.331	105	430911	47.692	ug/l	100
74) N-amyl acetate	12.148	43	170746	50.280	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	124116	49.358	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	87132m	45.347	ug/l	
77) Bromobenzene	12.611	156	104229	46.995	ug/l	93
78) n-propylbenzene	12.672	91	521800	47.538	ug/l	100
79) 2-Chlorotoluene	12.758	91	297276	47.512	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	361354	47.773	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	43659	51.167	ug/l	93
82) 4-Chlorotoluene	12.855	91	303056	46.398	ug/l	98
83) tert-Butylbenzene	13.075	119	321513	48.531	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	363495	48.029	ug/l	98
85) sec-Butylbenzene	13.258	105	474638	47.874	ug/l	99
86) p-Isopropyltoluene	13.373	119	394177	47.597	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	208115	47.300	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	209380	47.581	ug/l	99
89) n-Butylbenzene	13.697	91	367683	46.886	ug/l	97
90) Hexachloroethane	13.965	117	77047	48.205	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	194722	47.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25481	51.022	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	121728	47.606	ug/l	99
94) Hexachlorobutadiene	15.111	225	55765	42.586	ug/l	98
95) Naphthalene	15.239	128	338004	50.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	114014	48.309	ug/l	99

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

