

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014786.D
 Acq On : 24 Jul 2023 20:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

Quant Time: Jul 25 01:33:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	209710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	328266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124946	52.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.716	113	113116	49.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.720%			
50) Toluene-d8	10.179	98	405876	48.038	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.477	95	151570	46.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63411	37.114	ug/l	99
3) Chloromethane	2.107	50	99533	51.825	ug/l	99
4) Vinyl Chloride	2.247	62	112121	52.236	ug/l	98
5) Bromomethane	2.637	94	79776	56.241	ug/l	100
6) Chloroethane	2.784	64	74785	55.778	ug/l	99
7) Trichlorofluoromethane	3.119	101	161058	44.677	ug/l	99
8) Diethyl Ether	3.521	74	64770	48.290	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	94177	42.622	ug/l	96
10) Methyl Iodide	4.082	142	104538	44.885	ug/l	97
11) Tert butyl alcohol	4.954	59	126913	258.369	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	90620	43.882	ug/l	91
13) Acrolein	3.722	56	47463	190.024	ug/l	98
14) Allyl chloride	4.472	41	153134	41.763	ug/l	96
15) Acrylonitrile	5.155	53	210475	284.567	ug/l	99
16) Acetone	3.948	43	175320	231.514	ug/l	95
17) Carbon Disulfide	4.186	76	237428	40.158	ug/l	99
18) Methyl Acetate	4.478	43	178695	61.490	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	340430	50.748	ug/l	99
20) Methylene Chloride	4.710	84	134498	55.103	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	106483	45.436	ug/l	99
22) Diisopropyl ether	6.118	45	353141	47.371	ug/l	90
23) Vinyl Acetate	6.057	43	1059483	237.491	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	197911	46.398	ug/l	98
25) 2-Butanone	6.984	43	300865	271.566	ug/l	95
26) 2,2-Dichloropropane	6.978	77	154092	37.905	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	130878	47.978	ug/l	93
28) Bromochloromethane	7.332	49	83951	45.698	ug/l	93
29) Tetrahydrofuran	7.344	42	200800	294.348	ug/l	91
30) Chloroform	7.502	83	211521	48.088	ug/l	97
31) Cyclohexane	7.783	56	149598	37.711	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	183393	46.325	ug/l	99
36) 1,1-Dichloropropene	7.917	75	147108	42.924	ug/l	100
37) Ethyl Acetate	7.069	43	125211	53.065	ug/l #	95
38) Carbon Tetrachloride	7.899	117	159171	43.936	ug/l	97
39) Methylcyclohexane	9.179	83	174138	39.001	ug/l	93
40) Benzene	8.155	78	440632	45.207	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	57618m	47.474	ug/l	
42) 1,2-Dichloroethane	8.234	62	148902	48.241	ug/l	94
43) Isopropyl Acetate	8.270	43	225348	50.135	ug/l	97
44) Trichloroethene	8.935	130	122811	45.033	ug/l	99
45) 1,2-Dichloropropane	9.215	63	114923	45.153	ug/l	99
46) Dibromomethane	9.301	93	76280	49.403	ug/l	96
47) Bromodichloromethane	9.496	83	170698	46.906	ug/l	99
48) Methyl methacrylate	9.289	41	102788	50.821	ug/l	94
49) 1,4-Dioxane	9.295	88	30261	1201.941	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	666550	282.439	ug/l	94
52) Toluene	10.240	92	286837	45.989	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	176370	44.307	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	188990	43.659	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	107481	49.973	ug/l	98
56) Ethyl methacrylate	10.508	69	164786	50.180	ug/l	91
57) 1,3-Dichloropropane	10.788	76	181787	49.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	408455	266.946	ug/l	94
59) 2-Hexanone	10.831	43	486321	282.577	ug/l	92
60) Dibromochloromethane	10.983	129	131046	49.695	ug/l	99
61) 1,2-Dibromoethane	11.087	107	107658	50.176	ug/l	99
64) Tetrachloroethene	10.715	164	130601	49.468	ug/l	97
65) Chlorobenzene	11.514	112	318010	45.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	123914	46.981	ug/l	99
67) Ethyl Benzene	11.587	91	556502	44.062	ug/l	99
68) m/p-Xylenes	11.703	106	428844	88.950	ug/l	96
69) o-Xylene	12.026	106	211717	45.086	ug/l	98
70) Styrene	12.044	104	359834	45.465	ug/l	98
71) Bromoform	12.203	173	90387	50.558	ug/l #	98
73) Isopropylbenzene	12.325	105	549249	42.265	ug/l	100
74) N-amyl acetate	12.142	43	198175	45.533	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	142050	47.933	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	103374m	49.317	ug/l	
77) Bromobenzene	12.605	156	134434	45.319	ug/l	96
78) n-propylbenzene	12.666	91	657569	41.992	ug/l	100
79) 2-Chlorotoluene	12.751	91	379692	42.096	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	465346	42.877	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	45252	41.799	ug/l	96
82) 4-Chlorotoluene	12.849	91	392318	42.234	ug/l	100
83) tert-Butylbenzene	13.074	119	407901	42.369	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	460048	43.193	ug/l	99
85) sec-Butylbenzene	13.251	105	595905	42.195	ug/l	100
86) p-Isopropyltoluene	13.367	119	493214	42.774	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	261053	45.217	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	259241	44.810	ug/l	99
89) n-Butylbenzene	13.696	91	462434	41.222	ug/l	97
90) Hexachloroethane	13.958	117	100495	42.432	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	244821	46.284	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28270	49.882	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	152288	45.354	ug/l	99
94) Hexachlorobutadiene	15.111	225	78160	42.359	ug/l	98
95) Naphthalene	15.233	128	396945	50.742	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	139499	46.746	ug/l	99

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

