

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014869.D
 Acq On : 27 Jul 2023 09:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 28 02:35:38 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	205645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	315475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107754	45.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.960%		
35) Dibromofluoromethane	7.710	113	100448	45.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.660%		
50) Toluene-d8	10.179	98	356915	43.691	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.380%		
62) 4-Bromofluorobenzene	12.477	95	132622	42.340	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	66216	39.522	ug/l	97
3) Chloromethane	2.107	50	107112	56.874	ug/l	98
4) Vinyl Chloride	2.247	62	121222	57.593	ug/l	98
5) Bromomethane	2.637	94	90153	64.813	ug/l	97
6) Chloroethane	2.784	64	82312	62.606	ug/l	94
7) Trichlorofluoromethane	3.113	101	173021	48.945	ug/l	100
8) Diethyl Ether	3.521	74	67778	51.531	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	102008	47.079	ug/l	95
10) Methyl Iodide	4.082	142	110920	48.372	ug/l	97
11) Tert butyl alcohol	4.960	59	98124	197.193	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	96146	47.478	ug/l	95
13) Acrolein	3.723	56	41739	170.411	ug/l	99
14) Allyl chloride	4.466	41	164891	45.859	ug/l	97
15) Acrylonitrile	5.155	53	196339	270.702	ug/l	98
16) Acetone	3.942	43	178497	240.369	ug/l	95
17) Carbon Disulfide	4.186	76	244586	42.186	ug/l	98
18) Methyl Acetate	4.472	43	165281	57.999	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	353465	53.733	ug/l	99
20) Methylene Chloride	4.704	84	129609	54.070	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	111863	48.675	ug/l	99
22) Diisopropyl ether	6.112	45	369411	50.533	ug/l	93
23) Vinyl Acetate	6.051	43	1084539	247.913	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	213204	50.971	ug/l	98
25) 2-Butanone	6.978	43	280835	258.498	ug/l	96
26) 2,2-Dichloropropane	6.978	77	196755	49.356	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	140144	52.390	ug/l	95
28) Bromochloromethane	7.326	49	84878	47.116	ug/l	93
29) Tetrahydrofuran	7.344	42	175367	262.147	ug/l	92
30) Chloroform	7.502	83	227569	52.760	ug/l	97
31) Cyclohexane	7.783	56	156919	40.338	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	195859	50.452	ug/l	98
36) 1,1-Dichloropropene	7.911	75	156163	47.128	ug/l	99
37) Ethyl Acetate	7.070	43	114570	50.219	ug/l #	96
38) Carbon Tetrachloride	7.893	117	171903	49.077	ug/l	96
39) Methylcyclohexane	9.179	83	184346	42.703	ug/l	92
40) Benzene	8.155	78	472971	50.188	ug/l	100

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41) Methacrylonitrile	7.307	41	67110m	57.190	ug/l	
42) 1,2-Dichloroethane	8.234	62	155742	52.187	ug/l	96
43) Isopropyl Acetate	8.271	43	216052	49.714	ug/l	97
44) Trichloroethene	8.935	130	130915	49.650	ug/l	97
45) 1,2-Dichloropropane	9.209	63	123538	50.202	ug/l	98
46) Dibromomethane	9.301	93	78280	52.436	ug/l	96
47) Bromodichloromethane	9.496	83	183543	52.165	ug/l	99
48) Methyl methacrylate	9.289	41	97660	49.941	ug/l	93
49) 1,4-Dioxane	9.295	88	26653	1094.919	ug/l #	68
51) 4-Methyl-2-Pentanone	10.069	43	604980	265.136	ug/l	94
52) Toluene	10.240	92	301088	49.928	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	194066	50.424	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	208276	49.763	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	108805	52.322	ug/l	96
56) Ethyl methacrylate	10.508	69	162949	51.322	ug/l	90
57) 1,3-Dichloropropane	10.788	76	185536	51.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	360580	243.734	ug/l	94
59) 2-Hexanone	10.831	43	432377	259.843	ug/l	92
60) Dibromochloromethane	10.983	129	135674	53.213	ug/l	100
61) 1,2-Dibromoethane	11.087	107	107704	51.918	ug/l	99
64) Tetrachloroethene	10.715	164	128499	50.645	ug/l	97
65) Chlorobenzene	11.514	112	334926	49.820	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	131841	52.014	ug/l	98
67) Ethyl Benzene	11.587	91	589909	48.601	ug/l	99
68) m/p-Xylenes	11.703	106	451602	97.468	ug/l	96
69) o-Xylene	12.026	106	224002	49.636	ug/l	96
70) Styrene	12.038	104	382511	50.290	ug/l	97
71) Bromoform	12.203	173	88437	51.473	ug/l #	100
73) Isopropylbenzene	12.325	105	582856	47.430	ug/l	100
74) N-amyl acetate	12.142	43	190041	46.174	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	138513	49.427	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	97269m	49.073	ug/l	
77) Bromobenzene	12.605	156	140345	50.032	ug/l	99
78) n-propylbenzene	12.666	91	688867	46.520	ug/l	99
79) 2-Chlorotoluene	12.751	91	400987	47.014	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	484837	47.242	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	47467	46.366	ug/l	96
82) 4-Chlorotoluene	12.849	91	414590	47.197	ug/l	100
83) tert-Butylbenzene	13.075	119	432951	47.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	485059	48.160	ug/l	99
85) sec-Butylbenzene	13.251	105	630696	47.226	ug/l	100
86) p-Isopropyltoluene	13.367	119	521010	47.783	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	274191	50.223	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	272762	49.858	ug/l	99
89) n-Butylbenzene	13.690	91	489377	46.132	ug/l	97
90) Hexachloroethane	13.959	117	104508	46.663	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	253958	50.772	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25486	47.555	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	160857	50.661	ug/l	99
94) Hexachlorobutadiene	15.111	225	82931	47.528	ug/l	97
95) Naphthalene	15.233	128	382860	51.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	143769	50.947	ug/l	98

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

