

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015974.D
 Acq On : 16 Oct 2023 09:10
 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 :Mahesh Dadoda 10/20/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 17 05:38:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	212389	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	353367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	327370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	162438	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	125840	51.915	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.840%	
35) Dibromofluoromethane	7.734	113	118561	53.295	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.580%	
50) Toluene-d8	10.191	98	452292	54.290	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.495	95	157233	53.002	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	89775	50.517	ug/l	99
3) Chloromethane	2.125	50	128486	46.445	ug/l	97
4) Vinyl Chloride	2.265	62	127390	56.036	ug/l	99
5) Bromomethane	2.674	94	86684	67.412	ug/l	100
6) Chloroethane	2.814	64	83241	56.658	ug/l	96
7) Trichlorofluoromethane	3.143	101	211047	54.732	ug/l	99
8) Diethyl Ether	3.552	74	75249	52.215	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.911	101	111748	50.967	ug/l	94
10) Methyl Iodide	4.106	142	148144	58.758	ug/l	99
11) Tert butyl alcohol	5.118	59	182518m	129.784	ug/l	
12) 1,1-Dichloroethene	3.887	96	112339	54.388	ug/l	91
13) Acrolein	3.765	56	110540	241.460	ug/l	100
14) Allyl chloride	4.496	41	197969	59.313	ug/l	91
15) Acrylonitrile	5.210	53	314910	248.047	ug/l	95
16) Acetone	4.009	43	344344	244.554	ug/l	92
17) Carbon Disulfide	4.204	76	344752	54.608	ug/l	100
18) Methyl Acetate	4.521	43	254093	52.025	ug/l #	91
19) Methyl tert-butyl Ether	5.259	73	344473	49.750	ug/l	97
20) Methylene Chloride	4.734	84	140385	52.423	ug/l	93
21) trans-1,2-Dichloroethene	5.234	96	128038	53.033	ug/l	93
22) Diisopropyl ether	6.149	45	369968	53.379	ug/l	98
23) Vinyl Acetate	6.088	43	1123948	246.498	ug/l #	93
24) 1,1-Dichloroethane	6.039	63	219186	53.152	ug/l	96
25) 2-Butanone	7.033	43	438210	213.835	ug/l	96
26) 2,2-Dichloropropane	7.002	77	181131	52.896	ug/l	98
27) cis-1,2-Dichloroethene	7.008	96	141945	52.288	ug/l	92
28) Bromochloromethane	7.350	49	95171	51.716	ug/l	94
29) Tetrahydrofuran	7.386	42	336343	239.432	ug/l	93
30) Chloroform	7.526	83	226474	52.912	ug/l	95
31) Cyclohexane	7.801	56	183524	47.562	ug/l	94
32) 1,1,1-Trichloroethane	7.715	97	200245	52.603	ug/l	98
36) 1,1-Dichloropropene	7.935	75	172658	51.437	ug/l	99
37) Ethyl Acetate	7.106	43	249000m	48.077	ug/l	
38) Carbon Tetrachloride	7.917	117	179602	50.806	ug/l	97
39) Methylcyclohexane	9.197	83	208932	48.514	ug/l	94
40) Benzene	8.179	78	498862	51.365	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.337	41	78064	45.713	ug/l #	90
42) 1,2-Dichloroethane	8.258	62	151577	48.639	ug/l	92
43) Isopropyl Acetate	8.295	43	257392	46.259	ug/l #	96
44) Trichloroethene	8.953	130	153392	51.251	ug/l	98
45) 1,2-Dichloropropane	9.233	63	127651	51.508	ug/l	98
46) Dibromomethane	9.319	93	85762	49.232	ug/l	94
47) Bromodichloromethane	9.508	83	184129	52.345	ug/l	99
48) Methyl methacrylate	9.313	41	118813	48.343	ug/l	87
49) 1,4-Dioxane	9.374	88	53499m	1101.251	ug/l	
51) 4-Methyl-2-Pentanone	10.087	43	1088264	265.395	ug/l	91
52) Toluene	10.258	92	324709	52.292	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	203757	51.661	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	220688	52.052	ug/l #	89
55) 1,1,2-Trichloroethane	10.660	97	127537	51.423	ug/l	97
56) Ethyl methacrylate	10.526	69	201745	51.961	ug/l #	86
57) 1,3-Dichloropropane	10.800	76	213984	50.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.794	63	622006	365.077	ug/l	95
59) 2-Hexanone	10.849	43	923497	263.835	ug/l	88
60) Dibromochloromethane	10.995	129	147299	52.227	ug/l	99
61) 1,2-Dibromoethane	11.105	107	134323	50.053	ug/l	99
64) Tetrachloroethene	10.733	164	137999	48.356	ug/l	96
65) Chlorobenzene	11.526	112	350553	51.107	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	133647	52.635	ug/l	98
67) Ethyl Benzene	11.605	91	625629	52.163	ug/l	99
68) m/p-Xylenes	11.715	106	485579	104.908	ug/l	94
69) o-Xylene	12.044	106	232867	52.623	ug/l	97
70) Styrene	12.056	104	397215	52.743	ug/l	97
71) Bromoform	12.221	173	112016	51.804	ug/l #	99
73) Isopropylbenzene	12.343	105	606862	52.774	ug/l	100
74) N-amyl acetate	12.154	43	244292	52.586	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	181488	51.383	ug/l	97
76) 1,2,3-Trichloropropane	12.641	75	162750m	51.196	ug/l	
77) Bromobenzene	12.623	156	149991	51.958	ug/l	92
78) n-propylbenzene	12.684	91	733831	52.478	ug/l	100
79) 2-Chlorotoluene	12.769	91	413459	52.276	ug/l	99
80) 1,3,5-Trimethylbenzene	12.824	105	506027	52.968	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.391	75	72568	53.775	ug/l	90
82) 4-Chlorotoluene	12.867	91	429792	52.873	ug/l	100
83) tert-Butylbenzene	13.086	119	440066	52.421	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	501265	52.271	ug/l	98
85) sec-Butylbenzene	13.263	105	652901	52.405	ug/l	100
86) p-Isopropyltoluene	13.379	119	543368	52.191	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	287980	51.947	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	288951	51.615	ug/l	99
89) n-Butylbenzene	13.708	91	489137	49.962	ug/l	97
90) Hexachloroethane	13.970	117	106281	53.262	ug/l	91
91) 1,2-Dichlorobenzene	13.751	146	272602	52.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	53113	52.567	ug/l	88
93) 1,2,4-Trichlorobenzene	15.019	180	171443	50.148	ug/l	98
94) Hexachlorobutadiene	15.123	225	84165	48.486	ug/l	98
95) Naphthalene	15.245	128	586872	52.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	165811	50.589	ug/l	99

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

