

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
 Data File : VY020401.D
 Acq On : 22 Nov 2024 09:40
 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 11/25/2024
 Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 22 23:55:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	199094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	315114	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	255079	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	114938	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	116494	50.929	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.860%
35) Dibromofluoromethane	7.646	113	106905	52.908	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.820%
50) Toluene-d8	10.115	98	426296	53.558	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.120%
62) 4-Bromofluorobenzene	12.414	95	139180	54.394	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	108.780%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	111376	57.632	ug/l	100
3) Chloromethane	2.080	50	110497	42.999	ug/l	98
4) Vinyl Chloride	2.214	62	112180	42.313	ug/l	100
5) Bromomethane	2.611	94	61402	46.373	ug/l	99
6) Chloroethane	2.751	64	66071	42.720	ug/l	99
7) Trichlorofluoromethane	3.074	101	196810	53.420	ug/l	99
8) Diethyl Ether	3.464	74	54576	46.950	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	109913	50.095	ug/l	98
10) Methyl Iodide	4.019	142	137554	46.804	ug/l	95
11) Tert butyl alcohol	4.878	59	35102	206.445	ug/l	99
12) 1,1-Dichloroethene	3.805	96	107768	49.620	ug/l	99
13) Acrolein	3.665	56	39559	279.300	ug/l	98
14) Allyl chloride	4.403	41	192511	45.838	ug/l	95
15) Acrylonitrile	5.074	53	119045	231.671	ug/l	99
16) Acetone	3.885	43	142708	260.251	ug/l	98
17) Carbon Disulfide	4.122	76	349289	47.736	ug/l	99
18) Methyl Acetate	4.397	43	56454	44.167	ug/l	99
19) Methyl tert-butyl Ether	5.134	73	268639	47.615	ug/l	97
20) Methylene Chloride	4.635	84	108761	46.837	ug/l	99
21) trans-1,2-Dichloroethene	5.134	96	116492	48.292	ug/l	96
22) Diisopropyl ether	6.037	45	365369	44.145	ug/l	98
23) Vinyl Acetate	5.976	43	1034978	223.766	ug/l	100
24) 1,1-Dichloroethane	5.933	63	216453	46.326	ug/l	100
25) 2-Butanone	6.902	43	178437	252.766	ug/l	97
26) 2,2-Dichloropropane	6.902	77	198476	51.394	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	130033	48.941	ug/l	99
28) Bromochloromethane	7.262	49	86074	43.770	ug/l	97
29) Tetrahydrofuran	7.274	42	97664	231.474	ug/l	99
30) Chloroform	7.433	83	215847	47.839	ug/l	99
31) Cyclohexane	7.713	56	202534	47.499	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	207961	52.493	ug/l	97
36) 1,1-Dichloropropene	7.847	75	165899	53.755	ug/l	100
37) Ethyl Acetate	6.994	43	70523	49.883	ug/l	99
38) Carbon Tetrachloride	7.829	117	191327	59.376	ug/l	97
39) Methylcyclohexane	9.115	83	213556	55.291	ug/l	99
40) Benzene	8.091	78	471211	52.101	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	41340	51.391	ug/l	98
42) 1,2-Dichloroethane	8.171	62	127783	52.343	ug/l	98
43) Isopropyl Acetate	8.207	43	140171	50.983	ug/l #	87
44) Trichloroethene	8.878	130	114339	53.358	ug/l	96
45) 1,2-Dichloropropane	9.152	63	108877	50.457	ug/l	98
46) Dibromomethane	9.237	93	56398	50.993	ug/l	99
47) Bromodichloromethane	9.432	83	156354	51.211	ug/l	98
48) Methyl methacrylate	9.231	41	65774	50.039	ug/l	97
49) 1,4-Dioxane	9.237	88	11635	1022.544	ug/l	92
51) 4-Methyl-2-Pentanone	10.006	43	348385	249.694	ug/l	99
52) Toluene	10.176	92	290653	52.578	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	146519	50.749	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	174944	52.933	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	71662	48.813	ug/l	99
56) Ethyl methacrylate	10.445	69	110773	50.243	ug/l	96
57) 1,3-Dichloropropane	10.725	76	131122	49.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	266968	255.368	ug/l	99
59) 2-Hexanone	10.768	43	263747	266.955	ug/l	98
60) Dibromochloromethane	10.920	129	99205	52.426	ug/l	99
61) 1,2-Dibromoethane	11.024	107	66598	48.955	ug/l	100
64) Tetrachloroethene	10.658	164	99509	54.118	ug/l	97
65) Chlorobenzene	11.450	112	293820	51.662	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	102611	54.008	ug/l	98
67) Ethyl Benzene	11.524	91	561497	53.514	ug/l	100
68) m/p-Xylenes	11.633	106	406534	107.567	ug/l	97
69) o-Xylene	11.963	106	189987	53.000	ug/l	96
70) Styrene	11.975	104	320963	53.891	ug/l	98
71) Bromoform	12.139	173	54500	55.040	ug/l #	100
73) Isopropylbenzene	12.261	105	525466	53.968	ug/l	99
74) N-amyl acetate	12.078	43	117939	50.124	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	78489	49.878	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	52372m	48.344	ug/l	
77) Bromobenzene	12.542	156	108422	53.150	ug/l	100
78) n-propylbenzene	12.603	91	628054	53.748	ug/l	99
79) 2-Chlorotoluene	12.688	91	347387	51.705	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	421591	53.577	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	28956	52.374	ug/l	98
82) 4-Chlorotoluene	12.786	91	355075	51.209	ug/l	98
83) tert-Butylbenzene	13.005	119	373316	53.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	409729	52.520	ug/l	99
85) sec-Butylbenzene	13.182	105	549366	50.183	ug/l	100
86) p-Isopropyltoluene	13.304	119	454931	53.747	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	209104	50.696	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	203002	51.511	ug/l	99
89) n-Butylbenzene	13.627	91	429585	52.998	ug/l	99
90) Hexachloroethane	13.889	117	85761	52.496	ug/l	96
91) 1,2-Dichlorobenzene	13.670	146	177537	51.661	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12951	50.156	ug/l	95
93) 1,2,4-Trichlorobenzene	14.932	180	103928	50.016	ug/l	99
94) Hexachlorobutadiene	15.035	225	70815	55.832	ug/l	97
95) Naphthalene	15.157	128	180259	50.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	84155	47.368	ug/l	99

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

