

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120424\
 Data File : VY020512.D
 Acq On : 04 Dec 2024 15:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2024
 Supervised By :Semsettin Yesilyurt 12/05/2024

Quant Time: Dec 05 03:25:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	161163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	258371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	107045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	79404	48.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.646	113	80280	49.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.115	98	297706	48.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.140%
62) 4-Bromofluorobenzene	12.414	95	105281	48.601	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	87488	55.652	ug/l	99
3) Chloromethane	2.080	50	88919	55.864	ug/l	99
4) Vinyl Chloride	2.214	62	88208	54.353	ug/l	100
5) Bromomethane	2.610	94	52194	54.814	ug/l	100
6) Chloroethane	2.745	64	53503	53.790	ug/l	100
7) Trichlorofluoromethane	3.074	101	159463	52.464	ug/l	100
8) Diethyl Ether	3.464	74	44292	51.431	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	93056	52.544	ug/l	98
10) Methyl Iodide	4.019	142	108051	54.348	ug/l	96
11) Tert butyl alcohol	4.866	59	25997	244.507	ug/l	99
12) 1,1-Dichloroethene	3.805	96	89198	53.317	ug/l	93
13) Acrolein	3.665	56	19847	199.371	ug/l	99
14) Allyl chloride	4.397	41	159990	53.619	ug/l	96
15) Acrylonitrile	5.067	53	90181	251.323	ug/l	99
16) Acetone	3.879	43	100521	246.648	ug/l	100
17) Carbon Disulfide	4.122	76	270318	56.455	ug/l	100
18) Methyl Acetate	4.397	43	44577	51.462	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	215760	50.500	ug/l	96
20) Methylene Chloride	4.635	84	92271	53.222	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	99016	53.286	ug/l	97
22) Diisopropyl ether	6.031	45	317593	53.526	ug/l	99
23) Vinyl Acetate	5.970	43	828675	264.046	ug/l	99
24) 1,1-Dichloroethane	5.927	63	190640	53.368	ug/l	99
25) 2-Butanone	6.902	43	127797	248.329	ug/l	99
26) 2,2-Dichloropropane	6.896	77	172337	51.008	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	114904	52.957	ug/l	99
28) Bromochloromethane	7.256	49	68399	51.275	ug/l	95
29) Tetrahydrofuran	7.274	42	73225	249.414	ug/l	99
30) Chloroform	7.433	83	190633	51.998	ug/l	96
31) Cyclohexane	7.713	56	164700	51.000	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	177773	50.358	ug/l	97
36) 1,1-Dichloropropene	7.847	75	138511	50.426	ug/l	99
37) Ethyl Acetate	6.994	43	51866	47.661	ug/l	98
38) Carbon Tetrachloride	7.829	117	162976	49.713	ug/l	98
39) Methylcyclohexane	9.115	83	175083	51.367	ug/l	98
40) Benzene	8.091	78	412687	50.957	ug/l	100

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 Supervised By :Semsettin Yesilyurt 12/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	34177	55.247	ug/l	93
42) 1,2-Dichloroethane	8.164	62	107753	50.636	ug/l	99
43) Isopropyl Acetate	8.207	43	107171	48.771	ug/l	97
44) Trichloroethene	8.872	130	100851	50.514	ug/l	99
45) 1,2-Dichloropropane	9.146	63	95565	50.426	ug/l	97
46) Dibromomethane	9.237	93	47313	50.422	ug/l	99
47) Bromodichloromethane	9.432	83	139401	50.424	ug/l	98
48) Methyl methacrylate	9.225	41	50876	49.650	ug/l	96
49) 1,4-Dioxane	9.237	88	9041	1008.015	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	258475	238.183	ug/l	99
52) Toluene	10.176	92	259057	51.269	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	124805	50.285	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	148977	50.789	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	61703	49.295	ug/l	96
56) Ethyl methacrylate	10.444	69	88061	49.722	ug/l	97
57) 1,3-Dichloropropane	10.725	76	112283	50.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	180717	217.933	ug/l	98
59) 2-Hexanone	10.768	43	183416	234.287	ug/l	97
60) Dibromochloromethane	10.920	129	84996	48.773	ug/l	99
61) 1,2-Dibromoethane	11.018	107	56009	48.931	ug/l	99
64) Tetrachloroethene	10.652	164	89033	48.736	ug/l	97
65) Chlorobenzene	11.450	112	266272	49.135	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	93191	48.490	ug/l	97
67) Ethyl Benzene	11.524	91	501288	49.350	ug/l	100
68) m/p-Xylenes	11.633	106	366976	98.662	ug/l	99
69) o-Xylene	11.962	106	172071	49.380	ug/l	98
70) Styrene	11.975	104	289206	49.747	ug/l	99
71) Bromoform	12.139	173	46902	48.000	ug/l #	100
73) Isopropylbenzene	12.261	105	472313	45.603	ug/l	99
74) N-ethyl acetate	12.078	43	91256	44.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	65179	43.761	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	49687m	45.566	ug/l	
77) Bromobenzene	12.542	156	97607	45.507	ug/l	97
78) n-propylbenzene	12.603	91	564073	45.999	ug/l	99
79) 2-Chlorotoluene	12.688	91	317543	45.891	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	379824	45.762	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	22736	42.781	ug/l	97
82) 4-Chlorotoluene	12.785	91	323728	45.846	ug/l	99
83) tert-Butylbenzene	13.005	119	345682	46.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	374353	46.404	ug/l	100
85) sec-Butylbenzene	13.182	105	495865	46.109	ug/l	100
86) p-Isopropyltoluene	13.298	119	410569	46.200	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	191780	46.363	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	183709	45.366	ug/l	99
89) n-Butylbenzene	13.627	91	385401	46.759	ug/l	99
90) Hexachloroethane	13.889	117	79474	45.888	ug/l	95
91) 1,2-Dichlorobenzene	13.669	146	163143	46.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	9945	44.105	ug/l	96
93) 1,2,4-Trichlorobenzene	14.931	180	94587	47.952	ug/l	100
94) Hexachlorobutadiene	15.035	225	64986	47.094	ug/l	99
95) Naphthalene	15.157	128	149984	46.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	76017	47.761	ug/l	98

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

