

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
 Data File : VY020049.D
 Acq On : 29 Oct 2024 09:31
 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 :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:18:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	196359	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	345491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148124	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.073	65	117432	48.571	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.140%
35) Dibromofluoromethane	7.646	113	112322	49.267	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.540%
50) Toluene-d8	10.115	98	409200	48.603	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.200%
62) 4-Bromofluorobenzene	12.407	95	146620	48.197	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	75203	41.141	ug/l	99
3) Chloromethane	2.080	50	116367	48.912	ug/l	97
4) Vinyl Chloride	2.214	62	136332	52.074	ug/l	100
5) Bromomethane	2.604	94	88273	53.269	ug/l	99
6) Chloroethane	2.751	64	98416	55.956	ug/l	99
7) Trichlorofluoromethane	3.074	101	201278	51.668	ug/l	99
8) Diethyl Ether	3.464	74	59632	50.366	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.836	101	120594	53.220	ug/l	91
10) Methyl Iodide	4.019	142	108215	47.219	ug/l	91
11) Tert butyl alcohol	4.866	59	46612	237.055	ug/l #	85
12) 1,1-Dichloroethene	3.805	96	102003	48.422	ug/l #	82
13) Acrolein	3.671	56	17883	100.661	ug/l	98
14) Allyl chloride	4.397	41	207375	54.560	ug/l #	89
15) Acrylonitrile	5.073	53	151512	279.782	ug/l	98
16) Acetone	3.885	43	191501	304.268	ug/l #	83
17) Carbon Disulfide	4.122	76	234437	41.520	ug/l	100
18) Methyl Acetate	4.403	43	78553	57.939	ug/l	89
19) Methyl tert-butyl Ether	5.128	73	323372	53.433	ug/l	92
20) Methylene Chloride	4.634	84	126707	54.559	ug/l #	79
21) trans-1,2-Dichloroethene	5.128	96	117189	51.114	ug/l #	79
22) Diisopropyl ether	6.031	45	492070	59.436	ug/l #	89
23) Vinyl Acetate	5.976	43	1326335	279.455	ug/l #	89
24) 1,1-Dichloroethane	5.927	63	268044	58.244	ug/l	96
25) 2-Butanone	6.902	43	241718	286.924	ug/l #	84
26) 2,2-Dichloropropane	6.896	77	231206	56.413	ug/l	93
27) cis-1,2-Dichloroethene	6.902	96	157026	55.421	ug/l	82
28) Bromochloromethane	7.256	49	113629	56.097	ug/l #	70
29) Tetrahydrofuran	7.268	42	132282	275.004	ug/l #	81
30) Chloroform	7.427	83	275893	58.810	ug/l	96
31) Cyclohexane	7.713	56	198971	49.253	ug/l	89
32) 1,1,1-Trichloroethane	7.628	97	237689	57.814	ug/l #	94
36) 1,1-Dichloropropene	7.847	75	184141	56.063	ug/l	93
37) Ethyl Acetate	6.994	43	92941	54.266	ug/l	97
38) Carbon Tetrachloride	7.829	117	202199	57.424	ug/l	98
39) Methylcyclohexane	9.115	83	211040	50.994	ug/l #	85
40) Benzene	8.091	78	564030	56.742	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	60021	64.751	ug/l #	81
42) 1,2-Dichloroethane	8.164	62	160225	56.106	ug/l	94
43) Isopropyl Acetate	8.201	43	190539	54.551	ug/l #	77
44) Trichloroethene	8.871	130	128774	53.487	ug/l	86
45) 1,2-Dichloropropane	9.146	63	145854	58.622	ug/l	98
46) Dibromomethane	9.237	93	75044	55.206	ug/l	90
47) Bromodichloromethane	9.426	83	213312	59.120	ug/l #	99
48) Methyl methacrylate	9.225	41	87758	57.118	ug/l #	79
49) 1,4-Dioxane	9.237	88	15865	1042.772	ug/l #	82
51) 4-Methyl-2-Pentanone	10.005	43	517008	290.196	ug/l	88
52) Toluene	10.176	92	361431	58.250	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	185993	57.291	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	216901	56.622	ug/l #	83
55) 1,1,2-Trichloroethane	10.579	97	102661	57.322	ug/l	94
56) Ethyl methacrylate	10.444	69	143217	55.730	ug/l #	72
57) 1,3-Dichloropropane	10.719	76	180373	57.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	344949	288.337	ug/l	92
59) 2-Hexanone	10.768	43	380047	298.670	ug/l	86
60) Dibromochloromethane	10.914	129	131374	57.151	ug/l	99
61) 1,2-Dibromoethane	11.017	107	88152	54.469	ug/l	99
64) Tetrachloroethene	10.652	164	108872	51.265	ug/l	94
65) Chlorobenzene	11.444	112	386485	56.594	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	132456	57.328	ug/l	100
67) Ethyl Benzene	11.523	91	725459	58.480	ug/l	100
68) m/p-Xylenes	11.633	106	529250	115.518	ug/l	92
69) o-Xylene	11.956	106	254636	57.846	ug/l	93
70) Styrene	11.975	104	434060	58.446	ug/l	96
71) Bromoform	12.133	173	70493	56.992	ug/l #	95
73) Isopropylbenzene	12.261	105	712234	57.165	ug/l	97
74) N-amyl acetate	12.072	43	173487	52.573	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	125155	56.533	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	81923m	28.232	ug/l	
77) Bromobenzene	12.535	156	138912	52.541	ug/l	82
78) n-propylbenzene	12.596	91	876003	58.188	ug/l	97
79) 2-Chlorotoluene	12.682	91	479863	55.599	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	564000	56.053	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	38807	53.981	ug/l #	84
82) 4-Chlorotoluene	12.779	91	491731	55.721	ug/l	94
83) tert-Butylbenzene	12.999	119	500024	55.473	ug/l	94
84) 1,2,4-Trimethylbenzene	13.048	105	552173	55.351	ug/l	98
85) sec-Butylbenzene	13.182	105	781384	58.020	ug/l	97
86) p-Isopropyltoluene	13.298	119	624312	57.088	ug/l	95
87) 1,3-Dichlorobenzene	13.291	146	292248	54.736	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	286010	54.527	ug/l	97
89) n-Butylbenzene	13.621	91	626694	58.688	ug/l	98
90) Hexachloroethane	13.883	117	123924	58.195	ug/l	85
91) 1,2-Dichlorobenzene	13.663	146	256423	54.658	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18449	52.217	ug/l	75
93) 1,2,4-Trichlorobenzene	14.925	180	133684	50.819	ug/l	97
94) Hexachlorobutadiene	15.029	225	73708	50.398	ug/l	98
95) Naphthalene	15.151	128	253242	51.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	111645	50.206	ug/l	97

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

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