

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019827.D
 Acq On : 09 Oct 2024 10:18
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : Romaben
 Patel

10/10/2024
 Supervised By : Mahesh
 Dadoda

Quant Time: Oct 10 05:15:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:14:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	374343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	666511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	557182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26224	5.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.380%#
35) Dibromofluoromethane	7.640	113	23731	5.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.800%#
50) Toluene-d8	10.103	98	86603	5.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	12.402	95	33223	5.661	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	11.320%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	18708	5.368	ug/l	98
3) Chloromethane	2.074	50	24088	5.311	ug/l	99
4) Vinyl Chloride	2.208	62	26464	5.302	ug/l	96
5) Bromomethane	2.605	94	17128	5.422	ug/l	96
6) Chloroethane	2.739	64	18439	5.499	ug/l	97
7) Trichlorofluoromethane	3.062	101	41227	5.551	ug/l	91
8) Diethyl Ether	3.452	74	11854	5.252	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.824	101	23186	5.367	ug/l	99
10) Methyl Iodide	4.001	142	21313	4.878	ug/l	97
11) Tert butyl alcohol	4.860	59	15386	25.435	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	21994	5.477	ug/l	96
13) Acrolein	3.653	56	11407	33.680	ug/l	99
14) Allyl chloride	4.385	41	39466	5.447	ug/l	100
15) Acrylonitrile	5.061	53	28849	27.944	ug/l	97
16) Acetone	3.873	43	36615	30.516	ug/l	92
17) Carbon Disulfide	4.110	76	56179	5.219	ug/l	97
18) Methyl Acetate	4.391	43	14714	5.693	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	64344	5.577	ug/l	93
20) Methylene Chloride	4.616	84	32544	6.721	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	23585	5.396	ug/l	93
22) Diisopropyl ether	6.019	45	85560	5.421	ug/l #	90
23) Vinyl Acetate	5.964	43	241204	26.658	ug/l	99
24) 1,1-Dichloroethane	5.921	63	48212	5.495	ug/l	99
25) 2-Butanone	6.896	43	46904	29.204	ug/l	96
26) 2,2-Dichloropropane	6.884	77	45964	5.883	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	29094	5.386	ug/l	96
28) Bromochloromethane	7.250	49	22704	5.879	ug/l	94
29) Tetrahydrofuran	7.262	42	26280	28.658	ug/l	97
30) Chloroform	7.421	83	49340	5.517	ug/l	99
31) Cyclohexane	7.701	56	47253	6.136	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	41860	5.341	ug/l	97
36) 1,1-Dichloropropene	7.835	75	34242	5.404	ug/l	99
37) Ethyl Acetate	6.988	43	17987	5.444	ug/l	96
38) Carbon Tetrachloride	7.817	117	35007	5.153	ug/l	98
39) Methylcyclohexane	9.109	83	41950	5.254	ug/l	96
40) Benzene	8.079	78	100750	5.254	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	8419	4.708	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	29850	5.418	ug/l	99
43) Isopropyl Acetate	8.195	43	36465	5.412	ug/l #	88
44) Trichloroethene	8.866	130	25386	5.466	ug/l	88
45) 1,2-Dichloropropane	9.140	63	26001	5.417	ug/l	94
46) Dibromomethane	9.231	93	14664	5.592	ug/l	95
47) Bromodichloromethane	9.420	83	36601	5.258	ug/l	97
48) Methyl methacrylate	9.225	41	14711	4.963	ug/l	92
49) 1,4-Dioxane	9.231	88	2943	100.270	ug/l #	74
51) 4-Methyl-2-Pentanone	10.000	43	93808	27.294	ug/l	97
52) Toluene	10.170	92	62004	5.180	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	31813	5.080	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	38450	5.203	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	18629	5.392	ug/l	94
56) Ethyl methacrylate	10.438	69	25028	5.048	ug/l	97
57) 1,3-Dichloropropane	10.719	76	32075	5.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	59794	25.908	ug/l	100
59) 2-Hexanone	10.762	43	64389	26.230	ug/l	99
60) Dibromochloromethane	10.908	129	23206	5.233	ug/l	98
61) 1,2-Dibromoethane	11.012	107	16281	5.215	ug/l	94
64) Tetrachloroethene	10.646	164	21107	5.326	ug/l	95
65) Chlorobenzene	11.438	112	68313	5.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	22770	5.281	ug/l	97
67) Ethyl Benzene	11.518	91	121323	5.241	ug/l	95
68) m/p-Xylenes	11.627	106	89333	10.448	ug/l	100
69) o-Xylene	11.950	106	41807	5.089	ug/l	97
70) Styrene	11.969	104	71087	5.129	ug/l	98
71) Bromoform	12.127	173	11616	5.032	ug/l #	96
73) Isopropylbenzene	12.255	105	113742	5.254	ug/l	99
74) N-amyl acetate	12.066	43	28262	4.929	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20484	5.326	ug/l	92
76) 1,2,3-Trichloropropane	12.554	75	15329m	5.735	ug/l	
77) Bromobenzene	12.530	156	24308	5.292	ug/l	99
78) n-propylbenzene	12.591	91	136112	5.204	ug/l	100
79) 2-Chlorotoluene	12.676	91	80713	5.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	92022	5.264	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	6271	5.021	ug/l	97
82) 4-Chlorotoluene	12.773	91	81942	5.344	ug/l	100
83) tert-Butylbenzene	12.993	119	83271	5.317	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	90896	5.244	ug/l	99
85) sec-Butylbenzene	13.170	105	123488	5.278	ug/l	99
86) p-Isopropyltoluene	13.292	119	100964	5.314	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	50645	5.459	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	49614	5.444	ug/l	93
89) n-Butylbenzene	13.615	91	92858	5.005	ug/l	97
90) Hexachloroethane	13.883	117	18792	5.079	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	44165	5.418	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3426	5.581	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	22142	4.845	ug/l	97
94) Hexachlorobutadiene	15.023	225	12910	5.081	ug/l	98
95) Naphthalene	15.145	128	38238	4.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	18432	4.771	ug/l	98

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

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

