

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014997.D
 Acq On : 08 Aug 2023 19:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 09 01:06:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	400946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	659692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	590724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	294045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	244453	50.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.716	113	223806	53.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.100%			
50) Toluene-d8	10.179	98	813748	50.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.477	95	303291	53.294	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	95847	42.576	ug/l	98
3) Chloromethane	2.107	50	118328	37.500	ug/l	98
4) Vinyl Chloride	2.247	62	144256	37.101	ug/l	96
5) Bromomethane	2.637	94	104246	41.119	ug/l	96
6) Chloroethane	2.784	64	104979	39.105	ug/l	98
7) Trichlorofluoromethane	3.119	101	268165	43.645	ug/l	99
8) Diethyl Ether	3.527	74	106259	46.866	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	164852	45.323	ug/l	96
10) Methyl Iodide	4.088	142	222174	59.081	ug/l	97
11) Tert butyl alcohol	4.954	59	224531	191.445	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	145410	45.883	ug/l	87
13) Acrolein	3.729	56	105916	265.467	ug/l	98
14) Allyl chloride	4.472	41	251493	47.654	ug/l	95
15) Acrylonitrile	5.161	53	337186	243.431	ug/l	98
16) Acetone	3.948	43	300103	198.040	ug/l	93
17) Carbon Disulfide	4.192	76	300249	42.851	ug/l	100
18) Methyl Acetate	4.472	43	276001	50.014	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	577180	48.138	ug/l	99
20) Methylene Chloride	4.710	84	212566	31.500	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	165041	45.687	ug/l	94
22) Diisopropyl ether	6.118	45	588884	47.905	ug/l	91
23) Vinyl Acetate	6.057	43	1739088	235.345	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	328539	47.119	ug/l	97
25) 2-Butanone	6.984	43	476820	219.686	ug/l	96
26) 2,2-Dichloropropane	6.978	77	284815	40.369	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	214077	46.829	ug/l	95
28) Bromochloromethane	7.332	49	141082	44.885	ug/l	92
29) Tetrahydrofuran	7.344	42	303564	238.501	ug/l	91
30) Chloroform	7.502	83	360040	47.535	ug/l	99
31) Cyclohexane	7.783	56	240039	47.579	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	311680	46.693	ug/l	98
36) 1,1-Dichloropropene	7.917	75	232362	44.365	ug/l	98
37) Ethyl Acetate	7.069	43	198405	47.724	ug/l #	95
38) Carbon Tetrachloride	7.899	117	264899	44.990	ug/l	98
39) Methylcyclohexane	9.179	83	292824	47.014	ug/l	95
40) Benzene	8.161	78	704962	45.711	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	107444m	53.181	ug/l	
42) 1,2-Dichloroethane	8.234	62	246480	45.914	ug/l	94
43) Isopropyl Acetate	8.270	43	382342	49.501	ug/l	98
44) Trichloroethene	8.935	130	201241	45.476	ug/l	100
45) 1,2-Dichloropropane	9.215	63	193121	47.117	ug/l	97
46) Dibromomethane	9.301	93	123858	46.909	ug/l	98
47) Bromodichloromethane	9.496	83	291409	47.927	ug/l	100
48) Methyl methacrylate	9.289	41	161468	47.646	ug/l	92
49) 1,4-Dioxane	9.295	88	46982	956.621	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	1040277	238.995	ug/l	92
52) Toluene	10.240	92	459599	46.310	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	298832	47.194	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	322809	47.187	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	196428	51.186	ug/l	98
56) Ethyl methacrylate	10.508	69	275793	50.190	ug/l #	90
57) 1,3-Dichloropropane	10.788	76	301126	47.428	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	866608	333.541	ug/l	93
59) 2-Hexanone	10.831	43	765701	238.134	ug/l	92
60) Dibromochloromethane	10.983	129	218113	47.734	ug/l	99
61) 1,2-Dibromoethane	11.087	107	176044	48.061	ug/l	100
64) Tetrachloroethene	10.721	164	208367	46.892	ug/l	98
65) Chlorobenzene	11.514	112	523529	46.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	207175	47.168	ug/l	98
67) Ethyl Benzene	11.593	91	1018061	51.753	ug/l	98
68) m/p-Xylenes	11.697	106	816683	108.524	ug/l	97
69) o-Xylene	12.026	106	347349	47.171	ug/l	98
70) Styrene	12.044	104	596949	47.436	ug/l	98
71) Bromoform	12.209	173	147216	48.627	ug/l #	99
73) Isopropylbenzene	12.331	105	959496	48.542	ug/l	100
74) N-amyl acetate	12.142	43	342223	50.675	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	234715	48.591	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	176976m	50.229	ug/l	
77) Bromobenzene	12.605	156	223372	46.589	ug/l	95
78) n-propylbenzene	12.672	91	1302019	55.074	ug/l	99
79) 2-Chlorotoluene	12.757	91	741825	55.057	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	1124773	69.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	76074	47.566	ug/l	96
82) 4-Chlorotoluene	12.855	91	661969	47.525	ug/l	100
83) tert-Butylbenzene	13.075	119	701293	47.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	2137410	130.971	ug/l	98
85) sec-Butylbenzene	13.251	105	1041128	47.606	ug/l	98
86) p-Isopropyltoluene	13.367	119	855854	47.278	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	439269	46.807	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	437617	46.758	ug/l	99
89) n-Butylbenzene	13.696	91	896811	52.726	ug/l	92
90) Hexachloroethane	13.958	117	191915	54.592	ug/l	80
91) 1,2-Dichlorobenzene	13.739	146	412585	47.635	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	45779	48.539	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	266198	48.029	ug/l	94
94) Hexachlorobutadiene	15.111	225	140889	46.878	ug/l	98
95) Naphthalene	15.233	128	886710	67.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	245110	48.858	ug/l	95

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

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