

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015233.D
 Acq On : 22 Aug 2023 10:13
 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 :Romaben
 Patel

Quant Time: Aug 22 14:26:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						08/23/2023
1) Pentafluorobenzene	7.789	168	176151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135247	50.000	ug/l	0.00
System Monitoring Compounds						08/23/2023
33) 1,2-Dichloroethane-d4	8.136	65	109570	51.818	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.640%	
35) Dibromofluoromethane	7.716	113	98779	53.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.720%	
50) Toluene-d8	10.179	98	354357	51.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.483	95	131302	52.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	32867	42.851	ug/l	98
3) Chloromethane	2.113	50	51690	49.064	ug/l	97
4) Vinyl Chloride	2.247	62	62550	44.625	ug/l	99
5) Bromomethane	2.643	94	52179	53.720	ug/l	98
6) Chloroethane	2.790	64	49985	49.117	ug/l	96
7) Trichlorofluoromethane	3.125	101	106877	45.251	ug/l	96
8) Diethyl Ether	3.534	74	44632	48.184	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	66197	45.097	ug/l	96
10) Methyl Iodide	4.088	142	63763	44.238	ug/l	99
11) Tert butyl alcohol	4.966	59	77329	220.194	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	55491	45.272	ug/l	93
13) Acrolein	3.735	56	22731	147.484	ug/l	98
14) Allyl chloride	4.472	41	101531	46.720	ug/l	98
15) Acrylonitrile	5.167	53	160101	255.047	ug/l	99
16) Acetone	3.954	43	154625	223.840	ug/l	94
17) Carbon Disulfide	4.192	76	92742	42.993	ug/l	97
18) Methyl Acetate	4.479	43	127869	50.512	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	256438	49.203	ug/l	99
20) Methylene Chloride	4.716	84	95525	58.401	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	65314	47.240	ug/l	94
22) Diisopropyl ether	6.118	45	265424	48.947	ug/l	95
23) Vinyl Acetate	6.058	43	777807	240.386	ug/l	95
24) 1,1-Dichloroethane	6.015	63	144893	49.354	ug/l	97
25) 2-Butanone	6.984	43	236233	241.528	ug/l	97
26) 2,2-Dichloropropane	6.978	77	129967	45.923	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	90691	48.019	ug/l	97
28) Bromochloromethane	7.332	49	66085	48.996	ug/l	95
29) Tetrahydrofuran	7.350	42	145370	248.566	ug/l	94
30) Chloroform	7.508	83	162558	49.394	ug/l	99
31) Cyclohexane	7.783	56	87085	45.898	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	135713	48.460	ug/l	99
36) 1,1-Dichloropropene	7.917	75	98065	48.335	ug/l	98
37) Ethyl Acetate	7.076	43	92243	48.777	ug/l	97
38) Carbon Tetrachloride	7.899	117	114363	47.629	ug/l	99
39) Methylcyclohexane	9.185	83	101901	44.803	ug/l	92
40) Benzene	8.161	78	303327	49.451	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	55855m	57.278	ug/l	95
42) 1,2-Dichloroethane	8.234	62	111513	50.058	ug/l	95
43) Isopropyl Acetate	8.271	43	171410	49.773	ug/l	99
44) Trichloroethene	8.941	130	85914	48.617	ug/l	97
45) 1,2-Dichloropropane	9.215	63	85726	49.562	ug/l	96
46) Dibromomethane	9.301	93	55296	50.688	ug/l	95
47) Bromodichloromethane	9.496	83	131696	50.590	ug/l	98
48) Methyl methacrylate	9.289	41	75233	51.067	ug/l	94
49) 1,4-Dioxane	9.301	88	21013	963.254	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	517077	259.066	ug/l	94
52) Toluene	10.240	92	198523	49.103	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	132365	48.382	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	141025	48.946	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	82535	49.757	ug/l	97
56) Ethyl methacrylate	10.508	69	119523	49.236	ug/l	92
57) 1,3-Dichloropropane	10.788	76	136157	50.242	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	272188	240.931	ug/l	94
59) 2-Hexanone	10.831	43	378501	256.229	ug/l	93
60) Dibromochloromethane	10.983	129	100178	50.629	ug/l	98
61) 1,2-Dibromoethane	11.087	107	77403	49.121	ug/l	99
64) Tetrachloroethene	10.715	164	91049	50.280	ug/l	98
65) Chlorobenzene	11.514	112	230078	48.583	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	95441	49.669	ug/l	99
67) Ethyl Benzene	11.593	91	402616	48.523	ug/l	99
68) m/p-Xylenes	11.703	106	305735	97.016	ug/l	95
69) o-Xylene	12.026	106	152686	48.636	ug/l	98
70) Styrene	12.044	104	266884	49.118	ug/l	98
71) Bromoform	12.209	173	67817	48.686	ug/l #	99
73) Isopropylbenzene	12.331	105	415652	47.793	ug/l	99
74) N-amyl acetate	12.142	43	150381	47.892	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	112224	49.546	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	87310m	53.136	ug/l	95
77) Bromobenzene	12.611	156	100892	47.593	ug/l	95
78) n-propylbenzene	12.672	91	495667	47.995	ug/l	100
79) 2-Chlorotoluene	12.758	91	285682	47.952	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	349387	48.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34959	46.731	ug/l	100
82) 4-Chlorotoluene	12.855	91	294917	47.915	ug/l	100
83) tert-Butylbenzene	13.075	119	319193	48.138	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	346082	47.775	ug/l	98
85) sec-Butylbenzene	13.251	105	468722	48.245	ug/l	100
86) p-Isopropyltoluene	13.367	119	385472	47.854	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	202993	48.278	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	202321	47.974	ug/l	99
89) n-Butylbenzene	13.696	91	358768	47.238	ug/l	97
90) Hexachloroethane	13.959	117	75043	46.961	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	193737	49.323	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21485	48.966	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	118423	46.961	ug/l	99
94) Hexachlorobutadiene	15.111	225	62352	45.456	ug/l	99
95) Naphthalene	15.239	128	301882	48.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	111165	48.812	ug/l	99

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

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