

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016829.D
 Acq On : 22 Dec 2023 23:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 12/26/2023
 Supervised By : Semsettin Yesilyurt 12/26/2023

Quant Time: Dec 23 00:56:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.819	168	137230	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	242644	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	208145	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	88028	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	64622	51.584	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.160%			
35) Dibromofluoromethane	7.746	113	68512	49.292	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.580%			
50) Toluene-d8	10.203	98	252156	50.325	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.501	95	79143	48.686	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	51811	44.179	ug/l	100
3) Chloromethane	2.131	50	89570	49.687	ug/l	98
4) Vinyl Chloride	2.272	62	101812	50.002	ug/l	97
5) Bromomethane	2.674	94	73123	50.421	ug/l	94
6) Chloroethane	2.820	64	69980	50.720	ug/l	99
7) Trichlorofluoromethane	3.156	101	115170	48.554	ug/l	97
8) Diethyl Ether	3.558	74	37003	48.766	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.936	101	71703	49.279	ug/l	99
10) Methyl Iodide	4.125	142	65388	43.126	ug/l	99
11) Tert butyl alcohol	4.978	59	24881	242.232	ug/l	99
12) 1,1-Dichloroethene	3.911	96	66040	50.975	ug/l	98
13) Acrolein	3.759	56	17525	221.132	ug/l	99
14) Allyl chloride	4.521	41	107529	54.190	ug/l	99
15) Acrylonitrile	5.204	53	84173	261.948	ug/l	99
16) Acetone	3.972	43	68845	203.225	ug/l	100
17) Carbon Disulfide	4.235	76	183845	52.154	ug/l	99
18) Methyl Acetate	4.515	43	76043	57.440	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	164298	49.288	ug/l	99
20) Methylene Chloride	4.759	84	80430	46.883	ug/l	98
21) trans-1,2-Dichloroethene	5.265	96	77695	52.584	ug/l	99
22) Diisopropyl ether	6.155	45	243642	54.272	ug/l	96
23) Vinyl Acetate	6.100	43	535319	252.125	ug/l	99
24) 1,1-Dichloroethane	6.064	63	143655	53.270	ug/l	99
25) 2-Butanone	7.021	43	108379	232.367	ug/l	95
26) 2,2-Dichloropropane	7.021	77	118360	50.295	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	89298	52.513	ug/l	97
28) Bromochloromethane	7.368	49	59794	56.020	ug/l	98
29) Tetrahydrofuran	7.386	42	68849	269.961	ug/l	99
30) Chloroform	7.539	83	145331	52.643	ug/l	98
31) Cyclohexane	7.819	56	119156	49.643	ug/l	97
32) 1,1,1-Trichloroethane	7.734	97	124395	51.333	ug/l	99
36) 1,1-Dichloropropene	7.947	75	109825	49.287	ug/l	100
37) Ethyl Acetate	7.112	43	47584	49.821	ug/l	99
38) Carbon Tetrachloride	7.935	117	106398	48.254	ug/l	99
39) Methylcyclohexane	9.209	83	128733	50.038	ug/l	97
40) Benzene	8.191	78	330373	50.949	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	26870	52.988	ug/l	98
42) 1,2-Dichloroethane	8.264	62	84073	49.697	ug/l	100
43) Isopropyl Acetate	8.301	43	90446	48.758	ug/l	100
44) Trichloroethene	8.965	130	81770	49.407	ug/l	99
45) 1,2-Dichloropropane	9.240	63	82775	50.889	ug/l	99
46) Dibromomethane	9.331	93	40960	48.745	ug/l	97
47) Bromodichloromethane	9.526	83	109510	49.446	ug/l	98
48) Methyl methacrylate	9.319	41	52035	50.473	ug/l	98
49) 1,4-Dioxane	9.325	88	8674	1063.538	ug/l	99
51) 4-Methyl-2-Pentanone	10.093	43	246750	249.656	ug/l	100
52) Toluene	10.270	92	198822	51.166	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	99385	49.213	ug/l	99
54) cis-1,3-Dichloropropene	9.953	75	121596	49.918	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	58208	48.552	ug/l	98
56) Ethyl methacrylate	10.532	69	52482	49.782	ug/l	98
57) 1,3-Dichloropropane	10.813	76	100814	49.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	163275	287.898	ug/l	98
59) 2-Hexanone	10.855	43	165827	225.010	ug/l	100
60) Dibromochloromethane	11.008	129	66929	48.258	ug/l	100
61) 1,2-Dibromoethane	11.111	107	51271	47.687	ug/l	98
64) Tetrachloroethene	10.746	164	63669	49.242	ug/l	96
65) Chlorobenzene	11.538	112	203517	49.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	73646	47.864	ug/l	97
67) Ethyl Benzene	11.611	91	382650	50.837	ug/l	98
68) m/p-Xylenes	11.721	106	285088	102.567	ug/l	99
69) o-Xylene	12.050	106	130861	51.319	ug/l	99
70) Styrene	12.062	104	192235	50.946	ug/l	99
71) Bromoform	12.227	173	35608	46.419	ug/l #	98
73) Isopropylbenzene	12.349	105	360564	52.593	ug/l	100
74) N-amyl acetate	12.160	43	68736	47.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.599	83	66808	48.765	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	46979m	48.278	ug/l	
77) Bromobenzene	12.629	156	73495	49.140	ug/l	98
78) n-propylbenzene	12.690	91	437807	52.708	ug/l	99
79) 2-Chlorotoluene	12.776	91	236551	51.466	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	282031	51.969	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	18742	45.231	ug/l	99
82) 4-Chlorotoluene	12.873	91	242929	51.519	ug/l	99
83) tert-Butylbenzene	13.093	119	246448	52.208	ug/l	97
84) 1,2,4-Trimethylbenzene	13.135	105	280553	52.427	ug/l	99
85) sec-Butylbenzene	13.270	105	366765	52.456	ug/l	100
86) p-Isopropyltoluene	13.385	119	299979	51.518	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	144797	49.539	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	139866	49.006	ug/l	98
89) n-Butylbenzene	13.715	91	292390	52.530	ug/l	99
90) Hexachloroethane	13.977	117	61367	50.613	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	123355	49.539	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7841	44.152	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	60003	45.414	ug/l	97
94) Hexachlorobutadiene	15.129	225	35391	47.160	ug/l	99
95) Naphthalene	15.257	128	108849	39.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	50268	44.672	ug/l	99

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

