

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016148.D
 Acq On : 31 Oct 2023 15:03
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103123

Quant Time: Nov 01 03:36:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	286257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	249025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89649	52.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.728	113	88174	51.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.340%			
50) Toluene-d8	10.191	98	357959	52.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.800%			
62) 4-Bromofluorobenzene	12.489	95	119022	51.442	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59343	50.983	ug/l	97
3) Chloromethane	2.119	50	76978	47.766	ug/l	99
4) Vinyl Chloride	2.253	62	85171	51.206	ug/l	96
5) Bromomethane	2.656	94	60143	53.579	ug/l	98
6) Chloroethane	2.802	64	58826	50.236	ug/l	98
7) Trichlorofluoromethane	3.137	101	126533	50.390	ug/l	98
8) Diethyl Ether	3.534	74	43172	51.874	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.912	101	79284	50.119	ug/l	96
10) Methyl Iodide	4.100	142	94546	53.748	ug/l	96
11) Tert butyl alcohol	4.966	59	31404	246.168	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	72808	50.426	ug/l	89
13) Acrolein	3.741	56	30289	258.687	ug/l	98
14) Allyl chloride	4.491	41	106958	51.790	ug/l	96
15) Acrylonitrile	5.173	53	94024	264.384	ug/l	99
16) Acetone	3.954	43	70898	260.956	ug/l	91
17) Carbon Disulfide	4.210	76	190503	52.848	ug/l	99
18) Methyl Acetate	4.491	43	72942	53.121	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	215799	52.544	ug/l	98
20) Methylene Chloride	4.728	84	87568	50.451	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	86036	51.156	ug/l	93
22) Diisopropyl ether	6.131	45	258831	51.815	ug/l	88
23) Vinyl Acetate	6.070	43	649273	264.731	ug/l	95
24) 1,1-Dichloroethane	6.027	63	152356	50.962	ug/l	99
25) 2-Butanone	6.996	43	119994	254.729	ug/l	91
26) 2,2-Dichloropropane	6.996	77	144843	51.252	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	101490	51.277	ug/l	93
28) Bromochloromethane	7.344	49	54309	48.545	ug/l	90
29) Tetrahydrofuran	7.356	42	78391	265.470	ug/l	89
30) Chloroform	7.521	83	166552	51.171	ug/l	97
31) Cyclohexane	7.795	56	126881	48.340	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	151561	50.775	ug/l	98
36) 1,1-Dichloropropene	7.929	75	122592	49.747	ug/l	98
37) Ethyl Acetate	7.082	43	56600	51.567	ug/l #	95
38) Carbon Tetrachloride	7.911	117	128652	52.696	ug/l	97
39) Methylcyclohexane	9.191	83	149472	50.814	ug/l	92
40) Benzene	8.173	78	356775	50.430	ug/l	100

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41) Methacrylonitrile	7.326	41	30531	47.922	ug/l	93
42) 1,2-Dichloroethane	8.246	62	100426	50.866	ug/l	94
43) Isopropyl Acetate	8.283	43	114233	52.615	ug/l #	92
44) Trichloroethene	8.947	130	104771	50.606	ug/l	96
45) 1,2-Dichloropropane	9.222	63	87773	51.573	ug/l	97
46) Dibromomethane	9.313	93	49506	51.278	ug/l	97
47) Bromodichloromethane	9.502	83	126849	51.712	ug/l	99
48) Methyl methacrylate	9.301	41	51941	52.612	ug/l	89
49) 1,4-Dioxane	9.307	88	11861	1036.986	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	289057	266.829	ug/l	91
52) Toluene	10.252	92	233910	51.023	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	128277	52.385	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	147002	51.160	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	69528	51.197	ug/l	95
56) Ethyl methacrylate	10.514	69	95879	54.363	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	117093	50.648	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	216080	252.660	ug/l	92
59) 2-Hexanone	10.837	43	195672	263.586	ug/l	90
60) Dibromochloromethane	10.990	129	87851	51.564	ug/l	99
61) 1,2-Dibromoethane	11.099	107	66679	51.620	ug/l	99
64) Tetrachloroethene	10.727	164	108671	49.060	ug/l	97
65) Chlorobenzene	11.526	112	251939	50.922	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	93000	50.750	ug/l	97
67) Ethyl Benzene	11.599	91	456357	51.570	ug/l	98
68) m/p-Xylenes	11.709	106	351122	102.682	ug/l	95
69) o-Xylene	12.038	106	166263	50.925	ug/l	97
70) Styrene	12.050	104	278875	51.381	ug/l	97
71) Bromoform	12.215	173	52901	52.037	ug/l #	99
73) Isopropylbenzene	12.337	105	448210	51.398	ug/l	99
74) N-amyl acetate	12.148	43	103004	54.356	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	73253	52.790	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	57159m	52.212	ug/l	
77) Bromobenzene	12.617	156	103025	52.176	ug/l	94
78) n-propylbenzene	12.678	91	530827	51.488	ug/l	99
79) 2-Chlorotoluene	12.764	91	293081	50.969	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	362542	51.316	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	27266	54.002	ug/l	92
82) 4-Chlorotoluene	12.861	91	305760	51.782	ug/l	99
83) tert-Butylbenzene	13.081	119	325141	51.435	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	357942	51.202	ug/l	98
85) sec-Butylbenzene	13.257	105	478589	51.583	ug/l	99
86) p-Isopropyltoluene	13.373	119	399234	51.918	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	200314	51.295	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	195008	50.524	ug/l	99
89) n-Butylbenzene	13.702	91	362078	51.245	ug/l	96
90) Hexachloroethane	13.965	117	69038	52.098	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	173063	51.292	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12152	48.933	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	108085	51.900	ug/l	99
94) Hexachlorobutadiene	15.117	225	57739	50.737	ug/l	97
95) Naphthalene	15.239	128	210866	52.120	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	92323	51.896	ug/l	98

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

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