

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016202.D
 Acq On : 03 Nov 2023 08:57
 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 : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 03 22:57:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	167602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	272660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	239490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	89061	56.788	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.580%			
35) Dibromofluoromethane	7.734	113	84700	52.106	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.191	98	345264	53.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.489	95	114884	52.130	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	52625	49.223	ug/l	98
3) Chloromethane	2.119	50	70480	47.614	ug/l	99
4) Vinyl Chloride	2.259	62	76972	50.382	ug/l	97
5) Bromomethane	2.662	94	50763	49.235	ug/l	96
6) Chloroethane	2.808	64	52287	48.613	ug/l	97
7) Trichlorofluoromethane	3.143	101	120579	52.279	ug/l	99
8) Diethyl Ether	3.540	74	41856	54.754	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.912	101	73222	50.393	ug/l	96
10) Methyl Iodide	4.107	142	84795	52.481	ug/l	97
11) Tert butyl alcohol	4.979	59	29173	248.967	ug/l #	78
12) 1,1-Dichloroethene	3.887	96	67678	51.031	ug/l	93
13) Acrolein	3.741	56	30347	282.965	ug/l	100
14) Allyl chloride	4.497	41	107897	56.879	ug/l #	95
15) Acrylonitrile	5.180	53	90556	277.223	ug/l	97
16) Acetone	3.960	43	68485	275.504	ug/l #	89
17) Carbon Disulfide	4.216	76	167402	50.559	ug/l	98
18) Methyl Acetate	4.491	43	68997	54.706	ug/l #	89
19) Methyl tert-butyl Ether	5.241	73	208385	55.240	ug/l	99
20) Methylene Chloride	4.735	84	82339	51.724	ug/l	88
21) trans-1,2-Dichloroethene	5.241	96	80611	52.182	ug/l	93
22) Diisopropyl ether	6.137	45	256351	55.872	ug/l #	87
23) Vinyl Acetate	6.076	43	623872	276.941	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	148616	54.121	ug/l	95
25) 2-Butanone	7.003	43	117019	270.451	ug/l	93
26) 2,2-Dichloropropane	7.003	77	138780	53.463	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	98814	54.354	ug/l	92
28) Bromochloromethane	7.350	49	62301	60.630	ug/l	89
29) Tetrahydrofuran	7.362	42	74309	273.971	ug/l	89
30) Chloroform	7.527	83	159877	53.478	ug/l	98
31) Cyclohexane	7.801	56	115064	47.727	ug/l	89
32) 1,1,1-Trichloroethane	7.722	97	141656	51.667	ug/l	98
36) 1,1-Dichloropropene	7.935	75	114333	48.710	ug/l	99
37) Ethyl Acetate	7.088	43	53757	51.420	ug/l #	96
38) Carbon Tetrachloride	7.917	117	124601	53.581	ug/l	97
39) Methylcyclohexane	9.197	83	135940	48.519	ug/l	93
40) Benzene	8.173	78	341084	50.616	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	29825m	49.148	ug/l	
42) 1,2-Dichloroethane	8.252	62	96944	51.551	ug/l	94
43) Isopropyl Acetate	8.283	43	110908	53.631	ug/l	93
44) Trichloroethene	8.953	130	96775	49.074	ug/l	98
45) 1,2-Dichloropropane	9.228	63	86559	53.396	ug/l	97
46) Dibromomethane	9.319	93	48133	52.342	ug/l	97
47) Bromodichloromethane	9.508	83	124318	53.208	ug/l	98
48) Methyl methacrylate	9.307	41	48252	51.312	ug/l	90
49) 1,4-Dioxane	9.313	88	10275	931.236	ug/l #	51
51) 4-Methyl-2-Pentanone	10.081	43	278075	269.493	ug/l	92
52) Toluene	10.258	92	221866	50.809	ug/l	95
53) t-1,3-Dichloropropene	10.478	75	124074	53.195	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	142058	51.905	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	67065	51.846	ug/l	97
56) Ethyl methacrylate	10.520	69	90261	53.730	ug/l #	85
57) 1,3-Dichloropropane	10.801	76	114381	51.942	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	221729	272.194	ug/l	94
59) 2-Hexanone	10.843	43	201385	284.810	ug/l	91
60) Dibromochloromethane	10.996	129	85460	52.662	ug/l	99
61) 1,2-Dibromoethane	11.099	107	63174	51.345	ug/l	99
64) Tetrachloroethene	10.734	164	96100	45.112	ug/l	97
65) Chlorobenzene	11.526	112	240857	50.620	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	91231	51.767	ug/l	98
67) Ethyl Benzene	11.605	91	428246	50.320	ug/l	98
68) m/p-Xylenes	11.709	106	327745	99.662	ug/l	94
69) o-Xylene	12.038	106	157575	50.185	ug/l	96
70) Styrene	12.057	104	263258	50.435	ug/l	97
71) Bromoform	12.215	173	51205	52.374	ug/l #	99
73) Isopropylbenzene	12.337	105	417500	49.966	ug/l	99
74) N-amyl acetate	12.154	43	95858	52.793	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	70983	53.387	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	49163m	46.868	ug/l	
77) Bromobenzene	12.617	156	96374	50.938	ug/l	95
78) n-propylbenzene	12.678	91	495629	50.172	ug/l	99
79) 2-Chlorotoluene	12.764	91	277606	50.385	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	339215	50.109	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	25656	53.031	ug/l	94
82) 4-Chlorotoluene	12.861	91	282458	49.924	ug/l	98
83) tert-Butylbenzene	13.081	119	307337	50.740	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	333955	49.856	ug/l	97
85) sec-Butylbenzene	13.264	105	447148	50.298	ug/l	100
86) p-Isopropyltoluene	13.379	119	369679	50.173	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	187984	50.238	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	185090	50.047	ug/l	99
89) n-Butylbenzene	13.703	91	344476	50.882	ug/l	96
90) Hexachloroethane	13.971	117	68741	54.138	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	165218	51.104	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	11179	46.980	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	101298	50.764	ug/l	98
94) Hexachlorobutadiene	15.117	225	56532	51.845	ug/l	99
95) Naphthalene	15.245	128	189321	48.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	86219	50.581	ug/l	99

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

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