

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016145.D
 Acq On : 31 Oct 2023 13:37
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 03:17:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:01:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	243306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	115996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80300	46.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.820%		
35) Dibromofluoromethane	7.728	113	79726	47.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.020%		
50) Toluene-d8	10.191	98	325213	48.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.489	95	104720	46.030	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	61334	52.565	ug/l	97
3) Chloromethane	2.119	50	79652	49.305	ug/l	98
4) Vinyl Chloride	2.253	62	85763	51.436	ug/l	95
5) Bromomethane	2.656	94	55187	49.044	ug/l	99
6) Chloroethane	2.796	64	58257	49.628	ug/l	92
7) Trichlorofluoromethane	3.131	101	128466	51.035	ug/l	98
8) Diethyl Ether	3.534	74	39490	47.333	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	80063	50.488	ug/l	95
10) Methyl Iodide	4.101	142	87188	49.444	ug/l	98
11) Tert butyl alcohol	4.960	59	25891	202.457	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	71262	49.235	ug/l	95
13) Acrolein	3.735	56	25310	214.190	ug/l	99
14) Allyl chloride	4.491	41	101772	49.158	ug/l #	94
15) Acrylonitrile	5.174	53	82310	230.880	ug/l	98
16) Acetone	3.954	43	62801	228.184	ug/l	100
17) Carbon Disulfide	4.204	76	185648	51.375	ug/l	98
18) Methyl Acetate	4.485	43	63014	45.779	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	195903	47.583	ug/l	100
20) Methylene Chloride	4.729	84	84034	48.158	ug/l	88
21) trans-1,2-Dichloroethene	5.235	96	83683	49.635	ug/l	92
22) Diisopropyl ether	6.131	45	241473	48.222	ug/l	89
23) Vinyl Acetate	6.070	43	585392	238.101	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	145255	48.468	ug/l	96
25) 2-Butanone	6.996	43	103566	219.317	ug/l	94
26) 2,2-Dichloropropane	6.990	77	141922	50.096	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	96673	48.724	ug/l	93
28) Bromochloromethane	7.344	49	55510	49.498	ug/l	87
29) Tetrahydrofuran	7.356	42	68645	231.897	ug/l	89
30) Chloroform	7.515	83	159284	48.818	ug/l	96
31) Cyclohexane	7.795	56	126235	47.977	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	148608	49.664	ug/l	98
36) 1,1-Dichloropropene	7.929	75	121040	49.952	ug/l	98
37) Ethyl Acetate	7.082	43	50782	47.053	ug/l	96
38) Carbon Tetrachloride	7.911	117	124686	51.939	ug/l	97
39) Methylcyclohexane	9.191	83	151607	52.416	ug/l	92
40) Benzene	8.173	78	340565	48.957	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	26669	42.572	ug/l	98
42) 1,2-Dichloroethane	8.246	62	93362	48.092	ug/l	95
43) Isopropyl Acetate	8.283	43	99528	46.622	ug/l #	91
44) Trichloroethene	8.953	130	101271	49.746	ug/l	98
45) 1,2-Dichloropropane	9.228	63	83359	49.812	ug/l	96
46) Dibromomethane	9.313	93	46308	48.781	ug/l	96
47) Bromodichloromethane	9.508	83	117828	48.851	ug/l	99
48) Methyl methacrylate	9.301	41	46063	47.451	ug/l	90
49) 1,4-Dioxane	9.307	88	10413	878.561	ug/l #	50
51) 4-Methyl-2-Pentanone	10.081	43	253565	238.045	ug/l	92
52) Toluene	10.252	92	224891	49.890	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	116250	48.280	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	136665	48.371	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	64149	48.039	ug/l	97
56) Ethyl methacrylate	10.520	69	84431	48.686	ug/l	87
57) 1,3-Dichloropropane	10.801	76	107688	47.371	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	198638	236.213	ug/l	92
59) 2-Hexanone	10.843	43	172783	236.709	ug/l	90
60) Dibromochloromethane	10.996	129	81161	48.447	ug/l	99
61) 1,2-Dibromoethane	11.099	107	61074	48.084	ug/l	99
64) Tetrachloroethene	10.734	164	108339	50.060	ug/l	96
65) Chlorobenzene	11.526	112	239436	49.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	88691	49.536	ug/l	99
67) Ethyl Benzene	11.605	91	438236	50.686	ug/l	98
68) m/p-Xylenes	11.709	106	339813	101.711	ug/l	94
69) o-Xylene	12.038	106	159435	49.981	ug/l	97
70) Styrene	12.056	104	265561	50.078	ug/l	97
71) Bromoform	12.221	173	47560	47.883	ug/l #	99
73) Isopropylbenzene	12.337	105	436825	50.203	ug/l	100
74) N-amyl acetate	12.154	43	91547	48.417	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.593	83	63688	45.998	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	57908m	47.308	ug/l	
77) Bromobenzene	12.617	156	95161	48.299	ug/l	95
78) n-propylbenzene	12.678	91	518854	50.438	ug/l	99
79) 2-Chlorotoluene	12.764	91	283035	49.330	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	352046	49.940	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	23783	47.208	ug/l	94
82) 4-Chlorotoluene	12.861	91	289175	49.082	ug/l	99
83) tert-Butylbenzene	13.087	119	319760	50.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	343967	49.312	ug/l	98
85) sec-Butylbenzene	13.264	105	466802	50.423	ug/l	99
86) p-Isopropyltoluene	13.379	119	388486	50.632	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	190821	48.971	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	184192	47.827	ug/l	99
89) n-Butylbenzene	13.709	91	356150	50.518	ug/l	96
90) Hexachloroethane	13.971	117	66649	50.407	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	162741	48.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	11474	46.305	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	102390	49.274	ug/l	99
94) Hexachlorobutadiene	15.123	225	56591	49.838	ug/l	98
95) Naphthalene	15.245	128	189386	46.914	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	85497	48.165	ug/l	99

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

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