

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111723\
 Data File : VY016405.D
 Acq On : 17 Nov 2023 09:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 18 06:15:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	162017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	257272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	218035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	100557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71201	48.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.160%		
35) Dibromofluoromethane	7.728	113	79682	54.522	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.040%		
50) Toluene-d8	10.191	98	319900	53.977	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.960%		
62) 4-Bromofluorobenzene	12.489	95	100754	52.344	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	76799	48.410	ug/l	100
3) Chloromethane	2.119	50	84524	45.493	ug/l	97
4) Vinyl Chloride	2.259	62	94127	47.114	ug/l	93
5) Bromomethane	2.662	94	60634	46.181	ug/l	100
6) Chloroethane	2.802	64	61529	48.265	ug/l	95
7) Trichlorofluoromethane	3.137	101	151884	52.254	ug/l	99
8) Diethyl Ether	3.534	74	40041	46.092	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	89945	51.378	ug/l	95
10) Methyl Iodide	4.100	142	100818	53.322	ug/l	98
11) Tert butyl alcohol	4.960	59	19983	172.333	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	82750	50.542	ug/l	90
13) Acrolein	3.741	56	31984	228.680	ug/l	100
14) Allyl chloride	4.485	41	113566	48.880	ug/l #	92
15) Acrylonitrile	5.173	53	74205	215.243	ug/l	98
16) Acetone	3.954	43	54000	220.464	ug/l #	87
17) Carbon Disulfide	4.204	76	239748	48.533	ug/l	99
18) Methyl Acetate	4.485	43	58694	45.096	ug/l #	88
19) Methyl tert-butyl Ether	5.228	73	180509	45.553	ug/l	99
20) Methylene Chloride	4.728	84	92983	54.017	ug/l	86
21) trans-1,2-Dichloroethene	5.228	96	95202	50.503	ug/l	92
22) Diisopropyl ether	6.131	45	241165	48.165	ug/l #	85
23) Vinyl Acetate	6.070	43	526947	217.193	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	158291	51.244	ug/l	96
25) 2-Butanone	6.996	43	85895	200.212	ug/l	90
26) 2,2-Dichloropropane	6.990	77	149219	53.077	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	105637	51.999	ug/l	90
28) Bromochloromethane	7.344	49	54943	48.059	ug/l	83
29) Tetrahydrofuran	7.356	42	56364	198.766	ug/l	88
30) Chloroform	7.515	83	168383	52.370	ug/l	95
31) Cyclohexane	7.795	56	135032	46.317	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	157236	53.349	ug/l	97
36) 1,1-Dichloropropene	7.923	75	130387	51.380	ug/l	98
37) Ethyl Acetate	7.082	43	40782	39.774	ug/l #	97
38) Carbon Tetrachloride	7.911	117	146176	55.501	ug/l	99
39) Methylcyclohexane	9.191	83	162092	51.260	ug/l	92
40) Benzene	8.167	78	373278	52.355	ug/l	99

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41) Methacrylonitrile	7.326	41	23673	45.789	ug/l	96
42) 1,2-Dichloroethane	8.246	62	90647	49.069	ug/l	93
43) Isopropyl Acetate	8.277	43	80855	40.795	ug/l #	87
44) Trichloroethene	8.947	130	108008	52.710	ug/l	98
45) 1,2-Dichloropropane	9.222	63	86703	50.636	ug/l	95
46) Dibromomethane	9.313	93	44893	48.382	ug/l	97
47) Bromodichloromethane	9.502	83	121468	50.919	ug/l	98
48) Methyl methacrylate	9.301	41	45783	41.796	ug/l #	84
49) 1,4-Dioxane	9.307	88	8377	850.380	ug/l #	61
51) 4-Methyl-2-Pentanone	10.075	43	200951	200.500	ug/l	89
52) Toluene	10.252	92	238157	52.843	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	113318	49.001	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	140713	50.944	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	61255	47.896	ug/l	97
56) Ethyl methacrylate	10.520	69	54339	45.010	ug/l #	82
57) 1,3-Dichloropropane	10.801	76	104727	48.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	186916	228.336	ug/l	92
59) 2-Hexanone	10.837	43	140830	188.907	ug/l	87
60) Dibromochloromethane	10.996	129	81184	50.757	ug/l	100
61) 1,2-Dibromoethane	11.099	107	57766	47.410	ug/l	99
64) Tetrachloroethene	10.727	164	106349	54.322	ug/l	97
65) Chlorobenzene	11.526	112	250049	53.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	93560	54.454	ug/l	99
67) Ethyl Benzene	11.599	91	459946	54.940	ug/l	100
68) m/p-Xylenes	11.709	106	347564	109.456	ug/l	94
69) o-Xylene	12.038	106	160916	54.581	ug/l	97
70) Styrene	12.050	104	229700	54.412	ug/l	98
71) Bromoform	12.215	173	43815	49.146	ug/l #	99
73) Isopropylbenzene	12.337	105	446034	54.776	ug/l	100
74) N-amyl acetate	12.154	43	65878	40.277	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.593	83	57788	44.226	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	39897m	41.360	ug/l	
77) Bromobenzene	12.617	156	96781	52.587	ug/l	91
78) n-propylbenzene	12.678	91	523807	54.432	ug/l	99
79) 2-Chlorotoluene	12.764	91	286837	54.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	360112	54.852	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	20442	45.998	ug/l	92
82) 4-Chlorotoluene	12.861	91	288518	52.649	ug/l	98
83) tert-Butylbenzene	13.081	119	324495	56.115	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	352778	54.572	ug/l	99
85) sec-Butylbenzene	13.263	105	457677	55.399	ug/l	100
86) p-Isopropyltoluene	13.379	119	398701	56.047	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	190377	53.768	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	183532	53.039	ug/l	99
89) n-Butylbenzene	13.702	91	361223	54.985	ug/l	96
90) Hexachloroethane	13.971	117	74088	53.990	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	157511	51.915	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8416	40.483	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	92532	52.249	ug/l	99
94) Hexachlorobutadiene	15.123	225	58657	57.813	ug/l	98
95) Naphthalene	15.245	128	146451	46.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	73713	50.323	ug/l	99

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

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