

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014620.D
 Acq On : 13 Jul 2023 09:05
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 01:59:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	352580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	581157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	506463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	244875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20648	5.139	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.280%#		
35) Dibromofluoromethane	7.710	113	18602	5.028	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.060%#		
50) Toluene-d8	10.179	98	71932	5.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.540%#		
62) 4-Bromofluorobenzene	12.477	95	28239	5.400	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16437	5.722	ug/l	92
3) Chloromethane	2.107	50	17907	5.546	ug/l	99
4) Vinyl Chloride	2.247	62	19318	5.353	ug/l	94
5) Bromomethane	2.644	94	12736	5.340	ug/l	100
6) Chloroethane	2.790	64	11926	5.291	ug/l	93
7) Trichlorofluoromethane	3.119	101	30924	5.102	ug/l	98
8) Diethyl Ether	3.528	74	11237	4.983	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	19030	5.123	ug/l	96
10) Methyl Iodide	4.082	142	12571	5.410	ug/l	93
11) Tert butyl alcohol	4.942	59	28023	21.628	ug/l	99
12) 1,1-Dichloroethene	3.863	96	17414	5.016	ug/l	93
13) Acrolein	3.723	56	9515	22.658	ug/l	97
14) Allyl chloride	4.466	41	32204	5.224	ug/l	91
15) Acrylonitrile	5.155	53	29667	23.857	ug/l	97
16) Acetone	3.948	43	31245	24.541	ug/l	99
17) Carbon Disulfide	4.186	76	54541	5.487	ug/l	97
18) Methyl Acetate	4.472	43	22987	4.705	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	55038	4.880	ug/l	95
20) Methylene Chloride	4.704	84	30952	3.561	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	20451	5.190	ug/l	98
22) Diisopropyl ether	6.112	45	61765	4.928	ug/l	92
23) Vinyl Acetate	6.051	43	182990	24.397	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	35907	5.007	ug/l #	98
25) 2-Butanone	6.984	43	45964	24.677	ug/l	96
26) 2,2-Dichloropropane	6.978	77	36245	5.303	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	23550	5.135	ug/l	100
28) Bromochloromethane	7.326	49	16293	5.275	ug/l	97
29) Tetrahydrofuran	7.344	42	27890	24.317	ug/l	94
30) Chloroform	7.496	83	37834	5.116	ug/l	95
31) Cyclohexane	7.777	56	40079	6.009	ug/l #	78
32) 1,1,1-Trichloroethane	7.697	97	34138	5.129	ug/l	97
36) 1,1-Dichloropropene	7.917	75	28049	5.070	ug/l	96
37) Ethyl Acetate	7.063	43	18888	4.959	ug/l #	96
38) Carbon Tetrachloride	7.899	117	29383	5.024	ug/l	97
39) Methylcyclohexane	9.179	83	38179	5.297	ug/l	97
40) Benzene	8.155	78	80151	5.094	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10790m	5.357	ug/l	
42) 1,2-Dichloroethane	8.234	62	24005	4.818	ug/l	92
43) Isopropyl Acetate	8.271	43	34659	4.777	ug/l	95
44) Trichloroethene	8.935	130	22443	5.098	ug/l	97
45) 1,2-Dichloropropane	9.216	63	20593	5.012	ug/l	98
46) Dibromomethane	9.301	93	12525	5.025	ug/l	92
47) Bromodichloromethane	9.496	83	28925	4.924	ug/l	98
48) Methyl methacrylate	9.289	41	15391	4.714	ug/l	90
49) 1,4-Dioxane	9.295	88	3801	93.522	ug/l #	23
51) 4-Methyl-2-Pentanone	10.069	43	91473	24.010	ug/l	93
52) Toluene	10.240	92	50956	5.061	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	31770	4.944	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	35040	5.014	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	17271	4.974	ug/l	97
56) Ethyl methacrylate	10.508	69	25112	4.737	ug/l	92
57) 1,3-Dichloropropane	10.788	76	29810	4.978	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	64678	26.185	ug/l	93
59) 2-Hexanone	10.831	43	65095	23.430	ug/l	90
60) Dibromochloromethane	10.983	129	20972	4.927	ug/l	99
61) 1,2-Dibromoethane	11.087	107	17023	4.915	ug/l	99
64) Tetrachloroethene	10.715	164	21701	5.328	ug/l	95
65) Chlorobenzene	11.514	112	54836	5.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	20358	5.003	ug/l	96
67) Ethyl Benzene	11.593	91	100287	5.147	ug/l	97
68) m/p-Xylenes	11.697	106	75998	10.217	ug/l	96
69) o-Xylene	12.026	106	37469	5.172	ug/l	96
70) Styrene	12.044	104	62041	5.081	ug/l	97
71) Bromoform	12.203	173	13181	4.779	ug/l #	100
73) Isopropylbenzene	12.331	105	98210	5.122	ug/l	100
74) N-amyl acetate	12.142	43	29298	4.562	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	21443	4.904	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	15542m	4.960	ug/l	
77) Bromobenzene	12.605	156	21554	4.925	ug/l	91
78) n-propylbenzene	12.672	91	116920	5.060	ug/l	99
79) 2-Chlorotoluene	12.751	91	66893	5.027	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	81264	5.075	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	7707	4.825	ug/l	89
82) 4-Chlorotoluene	12.849	91	68453	4.994	ug/l	99
83) tert-Butylbenzene	13.075	119	71423	5.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	80086	5.096	ug/l	100
85) sec-Butylbenzene	13.251	105	105449	5.061	ug/l	99
86) p-Isopropyltoluene	13.367	119	85279	5.013	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	42841	5.029	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	43258	5.068	ug/l	93
89) n-Butylbenzene	13.696	91	82970	5.013	ug/l	96
90) Hexachloroethane	13.959	117	17520	5.014	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	38358	4.915	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4072	4.870	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	23087	4.660	ug/l	97
94) Hexachlorobutadiene	15.111	225	13291	4.882	ug/l	98
95) Naphthalene	15.233	128	51742	4.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	20285	4.607	ug/l	97

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

