

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022822\
 Data File : VY007655.D
 Acq On : 28 Feb 2022 17:28
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 07:04:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 07:02:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	375816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	589657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	523017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	253635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	41656	9.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.840%#		
35) Dibromofluoromethane	7.722	113	39319	10.387	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.780%#		
50) Toluene-d8	10.179	98	144493	10.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.820%#		
62) 4-Bromofluorobenzene	12.477	95	47009	9.730	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31570	7.198	ug/l	99
3) Chloromethane	2.113	50	54269	10.966	ug/l	93
4) Vinyl Chloride	2.253	62	62143	10.971	ug/l	94
5) Bromomethane	2.650	94	46418	11.293	ug/l	100
6) Chloroethane	2.790	64	46697	12.592	ug/l	96
7) Trichlorofluoromethane	3.125	101	69955	6.977	ug/l	91
8) Diethyl Ether	3.534	74	22044	8.352	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	42525	9.384	ug/l	94
10) Methyl Iodide	4.088	142	49574	9.129	ug/l	92
11) Tert butyl alcohol	4.960	59	17176	41.286	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	37514	9.040	ug/l	87
13) Acrolein	3.735	56	20842	41.326	ug/l	99
14) Allyl chloride	4.479	41	54221	12.765	ug/l #	90
15) Acrylonitrile	5.161	53	54838	55.453	ug/l	98
16) Acetone	3.948	43	41069	43.774	ug/l	91
17) Carbon Disulfide	4.192	76	101764	9.667	ug/l #	95
18) Methyl Acetate	4.473	43	28006	12.205	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	110076	9.528	ug/l	96
20) Methylene Chloride	4.716	84	48086	9.220	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	42885	9.994	ug/l	89
22) Diisopropyl ether	6.119	45	126408	13.540	ug/l #	96
23) Vinyl Acetate	6.058	43	390341	59.697	ug/l	95
24) 1,1-Dichloroethane	6.009	63	77561	11.648	ug/l #	94
25) 2-Butanone	6.990	43	65338	56.083	ug/l	92
26) 2,2-Dichloropropane	6.978	77	68997	9.602	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	48589	9.732	ug/l	91
28) Bromochloromethane	7.332	49	32132	13.353	ug/l	90
29) Tetrahydrofuran	7.344	42	46278	65.175	ug/l	88
30) Chloroform	7.509	83	81442	9.916	ug/l	98
31) Cyclohexane	7.783	56	75728	12.966	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	73537	9.160	ug/l	96
36) 1,1-Dichloropropene	7.917	75	61758	11.021	ug/l	99
37) Ethyl Acetate	7.070	43	32167	11.975	ug/l #	95
38) Carbon Tetrachloride	7.899	117	63805	8.226	ug/l	95
39) Methylcyclohexane	9.185	83	74917	10.452	ug/l	88
40) Benzene	8.155	78	168616	10.559	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	12377m	8.730	ug/l	
42) 1,2-Dichloroethane	8.240	62	53962	9.539	ug/l	94
43) Isopropyl Acetate	8.271	43	57919	10.869	ug/l #	88
44) Trichloroethene	8.935	130	47100	9.032	ug/l	98
45) 1,2-Dichloropropane	9.216	63	43483	12.300	ug/l	90
46) Dibromomethane	9.301	93	25438	9.011	ug/l	95
47) Bromodichloromethane	9.496	83	60465	9.450	ug/l	97
48) Methyl methacrylate	9.289	41	25471	11.258	ug/l #	85
49) 1,4-Dioxane	9.301	88	5597	155.903	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	155521	57.061	ug/l	91
52) Toluene	10.240	92	107410	9.906	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	59705	9.119	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	66999	9.719	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	35177	9.458	ug/l	97
56) Ethyl methacrylate	10.508	69	42861	9.528	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	58470	10.127	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.783	63	115427	52.058	ug/l	96
59) 2-Hexanone	10.831	43	104193	53.843	ug/l	90
60) Dibromochloromethane	10.984	129	40778	8.356	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32976	8.950	ug/l	99
64) Tetrachloroethene	10.715	164	39861	8.640	ug/l	99
65) Chlorobenzene	11.514	112	118782	10.164	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	42301	9.216	ug/l	98
67) Ethyl Benzene	11.593	91	206872	10.405	ug/l	99
68) m/p-Xylenes	11.703	106	158330	20.269	ug/l	92
69) o-Xylene	12.026	106	74704	9.788	ug/l	92
70) Styrene	12.044	104	120182	9.389	ug/l	96
71) Bromoform	12.203	173	24915	8.218	ug/l #	98
73) Isopropylbenzene	12.331	105	201491	10.092	ug/l	99
74) N-amyl acetate	12.142	43	52074	12.544	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	41308	11.060	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	28856m	10.911	ug/l	
77) Bromobenzene	12.605	156	46120	9.058	ug/l	94
78) n-propylbenzene	12.666	91	244871	10.530	ug/l	99
79) 2-Chlorotoluene	12.752	91	130469	10.106	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	160533	9.557	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13098	10.513	ug/l	90
82) 4-Chlorotoluene	12.849	91	132192	10.073	ug/l	96
83) tert-Butylbenzene	13.075	119	148260	9.815	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	156799	9.517	ug/l	98
85) sec-Butylbenzene	13.251	105	221053	10.263	ug/l	100
86) p-Isopropyltoluene	13.367	119	177411	9.666	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	91250	9.553	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	91990	9.819	ug/l	98
89) n-Butylbenzene	13.697	91	170827	10.247	ug/l	98
90) Hexachloroethane	13.959	117	34211	9.388	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	80788	9.344	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6192	8.839	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	50678	8.565	ug/l	99
94) Hexachlorobutadiene	15.111	225	31292	9.471	ug/l	98
95) Naphthalene	15.233	128	100127	7.966	ug/l	100
96) 1,2,3-Trichlorobenzene	15.416	180	44759	8.744	ug/l	98

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

