

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022822\
 Data File : VY007654.D
 Acq On : 28 Feb 2022 16:42
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Mar 01 07:03:54 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	368935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	588406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	520362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	249082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21456	5.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.420%#		
35) Dibromofluoromethane	7.716	113	19212	5.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.180%#		
50) Toluene-d8	10.179	98	71861	5.438	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.880%#		
62) 4-Bromofluorobenzene	12.477	95	22401	4.647	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17916	4.161	ug/l	97
3) Chloromethane	2.113	50	32163	6.620	ug/l	99
4) Vinyl Chloride	2.253	62	34242	6.158	ug/l	99
5) Bromomethane	2.650	94	24969	6.188	ug/l	100
6) Chloroethane	2.790	64	25390	6.974	ug/l	99
7) Trichlorofluoromethane	3.125	101	39322	3.995	ug/l	92
8) Diethyl Ether	3.534	74	11314	4.367	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	22797	5.125	ug/l	96
10) Methyl Iodide	4.088	142	25788	4.837	ug/l	93
11) Tert butyl alcohol	4.972	59	8702	21.307	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	20567	5.048	ug/l	87
13) Acrolein	3.735	56	10234	20.671	ug/l	98
14) Allyl chloride	4.479	41	28682	6.878	ug/l #	86
15) Acrylonitrile	5.174	53	28745	29.610	ug/l	97
16) Acetone	3.942	43	24122	26.190	ug/l	95
17) Carbon Disulfide	4.192	76	61427	5.944	ug/l	99
18) Methyl Acetate	4.479	43	20114	8.929	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	57494	5.070	ug/l	96
20) Methylene Chloride	4.722	84	31189	6.091	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	23810	5.652	ug/l	84
22) Diisopropyl ether	6.118	45	67158	7.328	ug/l #	91
23) Vinyl Acetate	6.058	43	181483	28.273	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	43989	6.730	ug/l	99
25) 2-Butanone	6.984	43	34012	29.739	ug/l	98
26) 2,2-Dichloropropane	6.984	77	36188	5.130	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	26373	5.381	ug/l	91
28) Bromochloromethane	7.332	49	17573	7.439	ug/l	91
29) Tetrahydrofuran	7.344	42	22875	32.817	ug/l #	85
30) Chloroform	7.508	83	44417	5.509	ug/l	99
31) Cyclohexane	7.783	56	44940	7.838	ug/l #	63
32) 1,1,1-Trichloroethane	7.697	97	38468	4.881	ug/l	95
36) 1,1-Dichloropropene	7.917	75	34931	6.247	ug/l	98
37) Ethyl Acetate	7.070	43	17448	6.509	ug/l #	94
38) Carbon Tetrachloride	7.899	117	36245	4.683	ug/l	94
39) Methylcyclohexane	9.185	83	41627	5.820	ug/l #	86
40) Benzene	8.161	78	91799	5.761	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8135m	5.750	ug/l	
42) 1,2-Dichloroethane	8.234	62	27962	4.953	ug/l	93
43) Isopropyl Acetate	8.271	43	30632	5.760	ug/l #	91
44) Trichloroethene	8.935	130	26027	5.002	ug/l	99
45) 1,2-Dichloropropane	9.215	63	23410	6.636	ug/l	93
46) Dibromomethane	9.301	93	14196	5.039	ug/l	95
47) Bromodichloromethane	9.496	83	32108	5.029	ug/l	94
48) Methyl methacrylate	9.295	41	13060	5.785	ug/l #	84
49) 1,4-Dioxane	9.301	88	3128	87.315	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	78183	28.746	ug/l	92
52) Toluene	10.246	92	59697	5.517	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	31649	4.844	ug/l	92
54) cis-1,3-Dichloropropene	9.929	75	35132	5.107	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	18196	4.903	ug/l	97
56) Ethyl methacrylate	10.508	69	22360	4.981	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	30961	5.374	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.782	63	59014	26.672	ug/l	97
59) 2-Hexanone	10.831	43	50632	26.220	ug/l	90
60) Dibromochloromethane	10.983	129	20477	4.205	ug/l	96
61) 1,2-Dibromoethane	11.087	107	17332	4.714	ug/l	96
64) Tetrachloroethene	10.715	164	23306	5.077	ug/l	96
65) Chlorobenzene	11.514	112	61736	5.309	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.587	131	21846	4.784	ug/l	97
67) Ethyl Benzene	11.593	91	110566	5.590	ug/l	96
68) m/p-Xylenes	11.703	106	82589	10.627	ug/l	95
69) o-Xylene	12.026	106	39501	5.202	ug/l	93
70) Styrene	12.044	104	61963	4.865	ug/l	95
71) Bromoform	12.203	173	13035	4.321	ug/l #	100
73) Isopropylbenzene	12.325	105	105607	5.386	ug/l	99
74) N-amyl acetate	12.142	43	25732	6.312	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	21619	5.894	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	14932m	5.749	ug/l	
77) Bromobenzene	12.605	156	24489	4.897	ug/l	93
78) n-propylbenzene	12.672	91	128197	5.613	ug/l	100
79) 2-Chlorotoluene	12.751	91	68633	5.413	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	83582	5.067	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	6874	5.618	ug/l	90
82) 4-Chlorotoluene	12.855	91	69467	5.390	ug/l	99
83) tert-Butylbenzene	13.075	119	75764	5.107	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	81434	5.033	ug/l	100
85) sec-Butylbenzene	13.251	105	113674	5.374	ug/l	99
86) p-Isopropyltoluene	13.367	119	91570	5.080	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	46910	5.001	ug/l	96
88) 1,4-Dichlorobenzene	13.446	146	47764	5.192	ug/l	95
89) n-Butylbenzene	13.696	91	89260	5.452	ug/l	98
90) Hexachloroethane	13.959	117	18362	5.131	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	43578	5.133	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3294	4.788	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	27400	4.715	ug/l	96
94) Hexachlorobutadiene	15.111	225	16262	5.012	ug/l	95
95) Naphthalene	15.233	128	50775	4.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	24859	4.945	ug/l	97

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

