

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009695.D
 Acq On : 26 Jul 2022 12:26
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/27/2022
 Supervised By :Mahesh Dadoda 07/27/2022

Quant Time: Jul 27 02:14:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 02:13:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	230354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	316823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	43202	24.403	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	48.800%#		
35) Dibromofluoromethane	7.710	113	42636	22.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.860%#		
50) Toluene-d8	10.173	98	154911	24.432	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	48.860%#		
62) 4-Bromofluorobenzene	12.477	95	55041	21.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	43.580%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	42994	21.361	ug/l	99
3) Chloromethane	2.107	50	53655	21.153	ug/l	95
4) Vinyl Chloride	2.241	62	59606	21.277	ug/l	97
5) Bromomethane	2.631	94	39835	20.694	ug/l	94
6) Chloroethane	2.778	64	35067	20.889	ug/l	99
7) Trichlorofluoromethane	3.107	101	76219	20.671	ug/l	92
8) Diethyl Ether	3.522	74	24557	20.462	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.881	101	43050	20.618	ug/l	95
10) Methyl Iodide	4.076	142	56973	20.697	ug/l #	88
11) Tert butyl alcohol	4.954	59	27073	110.362	ug/l	100
12) 1,1-Dichloroethene	3.857	96	40513	20.611	ug/l	81
13) Acrolein	3.723	56	4689	116.250	ug/l	100
14) Allyl chloride	4.466	41	62600	20.272	ug/l #	91
15) Acrylonitrile	5.149	53	58780	100.308	ug/l	99
16) Acetone	3.942	43	50026	90.526	ug/l	94
17) Carbon Disulfide	4.180	76	128521	21.265	ug/l	99
18) Methyl Acetate	4.460	43	29630	18.281	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	108052	19.949	ug/l	95
20) Methylene Chloride	4.704	84	64306	17.181	ug/l	84
21) trans-1,2-Dichloroethene	5.204	96	47159	20.510	ug/l	85
22) Diisopropyl ether	6.106	45	134180	20.268	ug/l	94
23) Vinyl Acetate	6.052	43	424094	103.734	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	76608	20.069	ug/l	97
25) 2-Butanone	6.978	43	78046	95.479	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	73030	20.118	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	52117	20.335	ug/l	88
28) Bromochloromethane	7.326	49	27351	19.714	ug/l	84
29) Tetrahydrofuran	7.338	42	52356	100.936	ug/l	88
30) Chloroform	7.496	83	80415	20.167	ug/l	98
31) Cyclohexane	7.777	56	73399	20.094	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	73022	20.308	ug/l	96
36) 1,1-Dichloropropene	7.911	75	63116	20.225	ug/l	96
37) Ethyl Acetate	7.064	43	36530	19.905	ug/l #	93
38) Carbon Tetrachloride	7.893	117	66128	20.009	ug/l	98
39) Methylcyclohexane	9.179	83	75890	19.964	ug/l	91
40) Benzene	8.155	78	187328	20.469	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	18347	19.477	ug/l #	1
42) 1,2-Dichloroethane	8.228	62	52816	20.731	ug/l	91
43) Isopropyl Acetate	8.265	43	64556	20.048	ug/l #	92
44) Trichloroethene	8.935	130	53131	20.271	ug/l	96
45) 1,2-Dichloropropane	9.210	63	44258	19.878	ug/l	97
46) Dibromomethane	9.301	93	27432	20.477	ug/l	97
47) Bromodichloromethane	9.490	83	57823	18.927	ug/l	95
48) Methyl methacrylate	9.289	41	28287	19.982	ug/l #	86
49) 1,4-Dioxane	9.289	88	7372	423.413	ug/l #	75
51) 4-Methyl-2-Pentanone	10.063	43	147059	89.476	ug/l	91
52) Toluene	10.240	92	110614	19.358	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	60883	19.382	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	67996	18.793	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	37930	20.241	ug/l	99
56) Ethyl methacrylate	10.508	69	42132	17.975	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	63277	20.648	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	72963	71.420	ug/l	91
59) 2-Hexanone	10.831	43	116858	99.979	ug/l	89
60) Dibromochloromethane	10.984	129	46577	20.574	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37373	20.483	ug/l	99
64) Tetrachloroethene	10.715	164	50428	20.280	ug/l	98
65) Chlorobenzene	11.514	112	127386	20.067	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	47170	19.993	ug/l	97
67) Ethyl Benzene	11.587	91	220748	20.093	ug/l	98
68) m/p-Xylenes	11.697	106	178224	40.597	ug/l	91
69) o-Xylene	12.026	106	82452	20.008	ug/l	89
70) Styrene	12.038	104	138207	19.967	ug/l	94
71) Bromoform	12.203	173	30857	20.394	ug/l #	98
73) Isopropylbenzene	12.325	105	215881	19.681	ug/l	100
74) N-amyl acetate	12.142	43	57177	19.639	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	44393	20.255	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	31381m	19.817	ug/l	
77) Bromobenzene	12.605	156	53972	19.683	ug/l	91
78) n-propylbenzene	12.666	91	259677	19.871	ug/l	97
79) 2-Chlorotoluene	12.752	91	145618	19.784	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	180571	19.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	15078	19.368	ug/l	88
82) 4-Chlorotoluene	12.849	91	152061	19.721	ug/l	96
83) tert-Butylbenzene	13.075	119	159302	19.943	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	179799	20.051	ug/l	98
85) sec-Butylbenzene	13.251	105	236350	20.219	ug/l	99
86) p-Isopropyltoluene	13.367	119	199356	20.083	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	106254	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	108122	19.901	ug/l	98
89) n-Butylbenzene	13.697	91	180215	19.857	ug/l	99
90) Hexachloroethane	13.959	117	38653	19.881	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	94513	19.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6933	19.365	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	58112	18.999	ug/l	99
94) Hexachlorobutadiene	15.111	225	36164	19.692	ug/l	99
95) Naphthalene	15.233	128	107457	18.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51061	19.269	ug/l	99

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

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