

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050222\
 Data File : VY008573.D
 Acq On : 02 May 2022 15:57
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 01:20:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:17:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	214548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	26045	14.872	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	29.740%#		
35) Dibromofluoromethane	7.716	113	28238	18.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.760%#		
50) Toluene-d8	10.179	98	96871	17.831	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	35.660%#		
62) 4-Bromofluorobenzene	12.483	95	37199	18.481	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	36.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32894	23.181	ug/l	98
3) Chloromethane	2.113	50	35825	16.808	ug/l	96
4) Vinyl Chloride	2.253	62	42568	15.530	ug/l	99
5) Bromomethane	2.637	94	34162	13.464	ug/l	99
6) Chloroethane	2.790	64	26965	14.809	ug/l	96
7) Trichlorofluoromethane	3.125	101	57455	19.266	ug/l	92
8) Diethyl Ether	3.527	74	18456	18.273	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.899	101	34108	19.231	ug/l	92
10) Methyl Iodide	4.094	142	38902	18.311	ug/l #	88
11) Tert butyl alcohol	4.948	59	19517	94.616	ug/l	98
12) 1,1-Dichloroethene	3.869	96	31401	18.815	ug/l #	76
13) Acrolein	3.728	56	19643	100.434	ug/l	99
14) Allyl chloride	4.478	41	37773	17.545	ug/l #	88
15) Acrylonitrile	5.161	53	41433	81.830	ug/l	98
16) Acetone	3.948	43	30658	75.820	ug/l #	85
17) Carbon Disulfide	4.192	76	89848	17.997	ug/l	100
18) Methyl Acetate	4.478	43	18767	16.287	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	86457	16.832	ug/l	95
20) Methylene Chloride	4.716	84	44252	16.864	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	35823	17.821	ug/l #	77
22) Diisopropyl ether	6.124	45	87173	16.937	ug/l #	86
23) Vinyl Acetate	6.057	43	289634	82.859	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	54453	16.958	ug/l	96
25) 2-Butanone	6.984	43	50624	80.454	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	52390	17.509	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	40105	17.483	ug/l	79
28) Bromochloromethane	7.332	49	19225	15.121	ug/l #	53
29) Tetrahydrofuran	7.350	42	33769	82.681	ug/l #	75
30) Chloroform	7.508	83	60149	17.027	ug/l	99
31) Cyclohexane	7.783	56	50601	17.135	ug/l #	80
32) 1,1,1-Trichloroethane	7.703	97	55863	17.895	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	45102	18.717	ug/l	92
37) Ethyl Acetate	7.075	43	24202	18.425	ug/l #	91
38) Carbon Tetrachloride	7.898	117	52813	20.766	ug/l	99
39) Methylcyclohexane	9.185	83	60602	19.540	ug/l #	82
40) Benzene	8.161	78	134261	19.174	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11486m	18.103	ug/l	
42) 1,2-Dichloroethane	8.240	62	38317	18.363	ug/l	89
43) Isopropyl Acetate	8.276	43	43875	18.276	ug/l #	86
44) Trichloroethene	8.941	130	40706	20.602	ug/l	91
45) 1,2-Dichloropropane	9.215	63	30914	18.524	ug/l	94
46) Dibromomethane	9.307	93	21107	18.140	ug/l	90
47) Bromodichloromethane	9.496	83	47294	18.999	ug/l #	97
48) Methyl methacrylate	9.295	41	18169	17.770	ug/l #	75
49) 1,4-Dioxane	9.301	88	5670	384.292	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	114366	90.663	ug/l #	85
52) Toluene	10.246	92	88420	19.074	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	49737	18.724	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	54942	18.543	ug/l #	81
55) 1,1,2-Trichloroethane	10.648	97	30159	18.919	ug/l	94
56) Ethyl methacrylate	10.508	69	38334	18.683	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	48483	18.677	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	90996	81.675	ug/l #	86
59) 2-Hexanone	10.831	43	77836	89.925	ug/l	81
60) Dibromochloromethane	10.983	129	37749	20.287	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30156	19.017	ug/l	98
64) Tetrachloroethene	10.721	164	38251	23.111	ug/l	98
65) Chlorobenzene	11.520	112	100406	20.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	38197	21.026	ug/l	98
67) Ethyl Benzene	11.593	91	168397	19.856	ug/l	96
68) m/p-Xylenes	11.703	106	138170	40.640	ug/l	87
69) o-Xylene	12.032	106	66003	20.177	ug/l	87
70) Styrene	12.044	104	109713	20.012	ug/l	93
71) Bromoform	12.209	173	24656	21.504	ug/l #	99
73) Isopropylbenzene	12.331	105	170196	19.905	ug/l	98
74) N-amyl acetate	12.148	43	38371	18.612	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	34502	18.560	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	21496m	15.487	ug/l	
77) Bromobenzene	12.611	156	44657	21.293	ug/l	84
78) n-propylbenzene	12.672	91	201905	19.813	ug/l	95
79) 2-Chlorotoluene	12.757	91	112427	19.609	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	142445	20.044	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	11409	18.550	ug/l #	83
82) 4-Chlorotoluene	12.855	91	115267	19.464	ug/l	94
83) tert-Butylbenzene	13.074	119	126978	20.478	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	141134	20.037	ug/l	95
85) sec-Butylbenzene	13.257	105	188470	20.272	ug/l	97
86) p-Isopropyltoluene	13.373	119	159486	20.347	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	86223	20.526	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	85609	20.575	ug/l	99
89) n-Butylbenzene	13.696	91	142425	20.228	ug/l	98
90) Hexachloroethane	13.964	117	29369	20.905	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	78058	20.868	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5463	19.507	ug/l	70
93) 1,2,4-Trichlorobenzene	15.007	180	49920	23.434	ug/l	99
94) Hexachlorobutadiene	15.117	225	29180	27.137	ug/l	98
95) Naphthalene	15.239	128	99141	21.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	43062	23.074	ug/l	98

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

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