

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008028.D
 Acq On : 25 Mar 2022 16:11
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 17:54:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 17:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	176682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	302573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18468	7.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	15.380%#		
35) Dibromofluoromethane	7.716	113	18259	9.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.040%#		
50) Toluene-d8	10.179	98	71071	9.675	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.360%#		
62) 4-Bromofluorobenzene	12.483	95	25152	9.038	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	12896	6.329	ug/l	97
3) Chloromethane	2.113	50	17583	6.412	ug/l	91
4) Vinyl Chloride	2.247	62	23826	7.454	ug/l	96
5) Bromomethane	2.637	94	21347	8.280	ug/l	98
6) Chloroethane	2.790	64	16072	7.704	ug/l	94
7) Trichlorofluoromethane	3.119	101	30988	8.000	ug/l	99
8) Diethyl Ether	3.527	74	10217	6.727	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.893	101	18945	7.897	ug/l	93
10) Methyl Iodide	4.088	142	15687	6.291	ug/l	89
11) Tert butyl alcohol	4.948	59	8706	29.660	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	17686	7.645	ug/l	87
13) Acrolein	3.729	56	7880	31.459	ug/l	94
14) Allyl chloride	4.472	41	23660	6.222	ug/l #	92
15) Acrylonitrile	5.161	53	24534	29.667	ug/l	97
16) Acetone	3.948	43	18808	26.749	ug/l #	86
17) Carbon Disulfide	4.192	76	46411	6.552	ug/l	97
18) Methyl Acetate	4.478	43	18259	8.453	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	51655	6.789	ug/l	93
20) Methylene Chloride	4.710	84	24339	7.265	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	19915	7.271	ug/l	86
22) Diisopropyl ether	6.118	45	52430	6.382	ug/l #	89
23) Vinyl Acetate	6.057	43	139636	24.973	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	33804	7.231	ug/l	94
25) 2-Butanone	6.984	43	30019	28.005	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	31270	7.444	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	23719	7.452	ug/l	82
28) Bromochloromethane	7.332	49	13464	8.103	ug/l #	76
29) Tetrahydrofuran	7.344	42	19933	28.070	ug/l #	76
30) Chloroform	7.508	83	36617	7.375	ug/l	98
31) Cyclohexane	7.783	56	32974	7.501	ug/l #	70
32) 1,1,1-Trichloroethane	7.697	97	32798	7.695	ug/l	96
36) 1,1-Dichloropropene	7.917	75	27660	8.073	ug/l	97
37) Ethyl Acetate	7.076	43	13112	5.875	ug/l #	91
38) Carbon Tetrachloride	7.899	117	28451	8.188	ug/l	98
39) Methylcyclohexane	9.179	83	36915	8.288	ug/l	87
40) Benzene	8.161	78	79785	7.938	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	5869m	2.356	ug/l	
42) 1,2-Dichloroethane	8.234	62	22413	7.230	ug/l	89
43) Isopropyl Acetate	8.270	43	25851	6.191	ug/l #	87
44) Trichloroethene	8.941	130	21904	8.138	ug/l	89
45) 1,2-Dichloropropane	9.215	63	18601	7.248	ug/l	91
46) Dibromomethane	9.301	93	12283	7.435	ug/l	93
47) Bromodichloromethane	9.496	83	27983	7.671	ug/l	99
48) Methyl methacrylate	9.295	41	11572	6.386	ug/l #	81
49) 1,4-Dioxane	9.295	88	3033	127.849	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	66584	31.213	ug/l #	86
52) Toluene	10.240	92	51142	7.995	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	28082	7.163	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	32228	7.368	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	16646	7.386	ug/l	96
56) Ethyl methacrylate	10.508	69	21268	6.600	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	27620	7.190	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	53729	39.323	ug/l	92
59) 2-Hexanone	10.831	43	45212	30.000	ug/l	83
60) Dibromochloromethane	10.983	129	19419	7.486	ug/l	100
61) 1,2-Dibromoethane	11.087	107	16522	7.311	ug/l	100
64) Tetrachloroethene	10.715	164	19359	9.395	ug/l	95
65) Chlorobenzene	11.514	112	55947	8.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	19953	8.304	ug/l	97
67) Ethyl Benzene	11.593	91	99236	8.573	ug/l	99
68) m/p-Xylenes	11.703	106	77305	17.114	ug/l	95
69) o-Xylene	12.026	106	37648	8.651	ug/l	91
70) Styrene	12.044	104	60669	8.358	ug/l	95
71) Bromoform	12.209	173	11402	7.460	ug/l #	97
73) Isopropylbenzene	12.331	105	98133	9.218	ug/l	100
74) N-amyl acetate	12.142	43	22804	7.098	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	19356	7.817	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	14548m	4.883	ug/l	
77) Bromobenzene	12.605	156	21895	8.685	ug/l	98
78) n-propylbenzene	12.672	91	118554	9.220	ug/l	99
79) 2-Chlorotoluene	12.757	91	65608	8.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	79867	9.075	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	6391	7.472	ug/l #	83
82) 4-Chlorotoluene	12.855	91	66709	8.802	ug/l	100
83) tert-Butylbenzene	13.074	119	71928	9.449	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	78758	9.055	ug/l	99
85) sec-Butylbenzene	13.251	105	107710	9.385	ug/l	99
86) p-Isopropyltoluene	13.367	119	86859	9.246	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	43113	8.756	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	43145	8.746	ug/l	97
89) n-Butylbenzene	13.696	91	83379	9.278	ug/l	100
90) Hexachloroethane	13.958	117	16825	9.215	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	37757	8.473	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3038	7.527	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	21659	8.185	ug/l	98
94) Hexachlorobutadiene	15.111	225	11502	9.037	ug/l	98
95) Naphthalene	15.239	128	48379	7.507	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	19044	8.211	ug/l	97

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

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