

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006432.D
 Acq On : 22 Oct 2021 11:45
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

Quant Time: Oct 23 06:33:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:31:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	131977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	208418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8665	5.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.680%#		
35) Dibromofluoromethane	7.728	113	5627	4.844	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.680%#		
50) Toluene-d8	10.179	98	23826	4.838	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.680%#		
62) 4-Bromofluorobenzene	12.483	95	7908	4.767	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5792	4.748	ug/l	96
3) Chloromethane	2.119	50	7795	4.734	ug/l	91
4) Vinyl Chloride	2.259	62	8942	4.862	ug/l	93
5) Bromomethane	2.649	94	6811	5.559	ug/l	86
6) Chloroethane	2.796	64	5362	4.937	ug/l	97
7) Trichlorofluoromethane	3.131	101	11712	5.015	ug/l	96
8) Diethyl Ether	3.533	74	3878	5.071	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	5983	5.032	ug/l	98
10) Methyl Iodide	4.113	142	4647	4.124	ug/l	99
11) Tert butyl alcohol	4.960	59	4693	31.808	ug/l #	89
12) 1,1-Dichloroethene	3.881	96	5732	4.811	ug/l	93
13) Acrolein	3.735	56	2788	27.334	ug/l	100
14) Allyl chloride	4.484	41	11261	4.592	ug/l	94
15) Acrylonitrile	5.173	53	11339	26.329	ug/l	98
16) Acetone	3.954	43	11565	24.730	ug/l	92
17) Carbon Disulfide	4.198	76	19454	4.978	ug/l #	95
18) Methyl Acetate	4.491	43	8936	5.893	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	18827	4.929	ug/l	95
20) Methylene Chloride	4.728	84	13256	7.613	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	6628	4.905	ug/l	90
22) Diisopropyl ether	6.130	45	23032	4.712	ug/l	97
23) Vinyl Acetate	6.070	43	69278	23.305	ug/l	97
24) 1,1-Dichloroethane	6.027	63	12303	4.814	ug/l	96
25) 2-Butanone	6.996	43	15402	25.140	ug/l	100
26) 2,2-Dichloropropane	6.996	77	12098	4.977	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	7592	4.922	ug/l	98
28) Bromochloromethane	7.338	49	5764	5.559	ug/l	97
29) Tetrahydrofuran	7.356	42	9969	26.522	ug/l	98
30) Chloroform	7.508	83	13428	5.088	ug/l	97
31) Cyclohexane	7.795	56	14806	5.631	ug/l #	87
32) 1,1,1-Trichloroethane	7.709	97	11873	4.872	ug/l	99
36) 1,1-Dichloropropene	7.923	75	9845	4.781	ug/l	99
37) Ethyl Acetate	7.075	43	6525	5.007	ug/l	98
38) Carbon Tetrachloride	7.905	117	10792	4.750	ug/l	96
39) Methylcyclohexane	9.185	83	11917	4.754	ug/l	99
40) Benzene	8.167	78	28261	4.812	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	3306m	4.795	ug/l	
42) 1,2-Dichloroethane	8.246	62	10810	5.154	ug/l	98
43) Isopropyl Acetate	8.276	43	12313	4.870	ug/l	97
44) Trichloroethene	8.941	130	7440	4.912	ug/l	96
45) 1,2-Dichloropropane	9.221	63	7082	4.868	ug/l	92
46) Dibromomethane	9.313	93	3929	4.920	ug/l	98
47) Bromodichloromethane	9.496	83	10149	4.885	ug/l	95
48) Methyl methacrylate	9.295	41	5619	4.795	ug/l	97
49) 1,4-Dioxane	9.307	88	1095	100.999	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	32302	24.372	ug/l	100
52) Toluene	10.246	92	17330	4.703	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	10777	4.816	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	11466	4.729	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	5611	5.082	ug/l #	89
56) Ethyl methacrylate	10.514	69	8058	4.724	ug/l	99
57) 1,3-Dichloropropane	10.794	76	9845	4.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	19708	25.326	ug/l	100
59) 2-Hexanone	10.831	43	23289	24.279	ug/l	99
60) Dibromochloromethane	10.989	129	6566	4.821	ug/l	97
61) 1,2-Dibromoethane	11.093	107	5363	5.159	ug/l	95
64) Tetrachloroethene	10.721	164	8179	4.756	ug/l	96
65) Chlorobenzene	11.520	112	18592	4.858	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	6927	4.808	ug/l	99
67) Ethyl Benzene	11.593	91	33490	4.595	ug/l	97
68) m/p-Xylenes	11.703	106	24326	8.873	ug/l	99
69) o-Xylene	12.032	106	11897	4.548	ug/l	96
70) Styrene	12.044	104	19534	4.367	ug/l	98
71) Bromoform	12.209	173	4411	4.843	ug/l #	95
73) Isopropylbenzene	12.331	105	31221	4.518	ug/l	100
74) N-amyl acetate	12.142	43	10814	4.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	5946	4.970	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	4575m	8.421	ug/l	
77) Bromobenzene	12.611	156	7766	4.770	ug/l	99
78) n-propylbenzene	12.672	91	38809	4.544	ug/l	100
79) 2-Chlorotoluene	12.757	91	21724	4.595	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	25918	4.479	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.385	75	2604	5.251	ug/l	92
82) 4-Chlorotoluene	12.855	91	22498	4.567	ug/l	97
83) tert-Butylbenzene	13.074	119	23079	4.641	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	26725	4.619	ug/l	100
85) sec-Butylbenzene	13.257	105	33763	4.522	ug/l	100
86) p-Isopropyltoluene	13.373	119	28551	4.482	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	15613	4.778	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	16126	5.019	ug/l	93
89) n-Butylbenzene	13.696	91	27183	4.537	ug/l	98
90) Hexachloroethane	13.964	117	5328	4.631	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	13708	4.783	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1345	5.295	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	8791	4.646	ug/l	98
94) Hexachlorobutadiene	15.111	225	6059	4.996	ug/l	94
95) Naphthalene	15.239	128	17026	4.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	7955	4.801	ug/l	97

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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VSTDICC005

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

