

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009694.D
 Acq On : 26 Jul 2022 12:04
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 02:14:25 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	224118	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	339561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	305279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20401	11.844	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.680%	#	
35) Dibromofluoromethane	7.710	113	21026	11.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.720%	#	
50) Toluene-d8	10.179	98	80933	13.106	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	26.220%	#	
62) 4-Bromofluorobenzene	12.477	95	26359	10.713	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	21.420%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	21136	10.793	ug/l	100
3) Chloromethane	2.107	50	27902	11.306	ug/l	96
4) Vinyl Chloride	2.241	62	30925	11.346	ug/l	99
5) Bromomethane	2.644	94	21564	11.514	ug/l	100
6) Chloroethane	2.784	64	18238	11.166	ug/l	98
7) Trichlorofluoromethane	3.113	101	38829	10.824	ug/l	89
8) Diethyl Ether	3.521	74	12122	10.382	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.887	101	21867	10.764	ug/l	95
10) Methyl Iodide	4.082	142	27330	10.205	ug/l	# 87
11) Tert butyl alcohol	4.948	59	9266	38.823	ug/l	# 93
12) 1,1-Dichloroethene	3.863	96	20172	10.548	ug/l	87
13) Acrolein	3.717	56	2086	53.155	ug/l	95
14) Allyl chloride	4.466	41	31862	10.605	ug/l	# 92
15) Acrylonitrile	5.149	53	26707	46.844	ug/l	96
16) Acetone	3.942	43	23290	43.318	ug/l	91
17) Carbon Disulfide	4.180	76	65780	11.187	ug/l	98
18) Methyl Acetate	4.473	43	13553	8.594	ug/l	# 89
19) Methyl tert-butyl Ether	5.210	73	50392	9.562	ug/l	100
20) Methylene Chloride	4.704	84	58877	16.168	ug/l	# 82
21) trans-1,2-Dichloroethene	5.204	96	24028	10.741	ug/l	85
22) Diisopropyl ether	6.112	45	65709	10.201	ug/l	# 90
23) Vinyl Acetate	6.051	43	193215	48.576	ug/l	# 93
24) 1,1-Dichloroethane	6.003	63	39690	10.687	ug/l	96
25) 2-Butanone	6.984	43	34441	43.306	ug/l	# 86
26) 2,2-Dichloropropane	6.972	77	35660	10.097	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	25751	10.327	ug/l	86
28) Bromochloromethane	7.326	49	13285	9.842	ug/l	# 81
29) Tetrahydrofuran	7.344	42	22351	44.289	ug/l	# 88
30) Chloroform	7.502	83	40716	10.495	ug/l	95
31) Cyclohexane	7.777	56	38295	10.775	ug/l	# 81
32) 1,1,1-Trichloroethane	7.698	97	36062	10.308	ug/l	96
36) 1,1-Dichloropropene	7.911	75	32282	10.621	ug/l	97
37) Ethyl Acetate	7.070	43	16275	9.105	ug/l	# 92
38) Carbon Tetrachloride	7.893	117	34518	10.724	ug/l	95
39) Methylcyclohexane	9.179	83	37851	10.224	ug/l	90
40) Benzene	8.155	78	92937	10.427	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	7754m	8.452	ug/l	
42) 1,2-Dichloroethane	8.234	62	25321	10.205	ug/l	91
43) Isopropyl Acetate	8.265	43	28967	9.237	ug/l #	92
44) Trichloroethene	8.935	130	26484	10.375	ug/l	98
45) 1,2-Dichloropropane	9.209	63	22072	10.179	ug/l	96
46) Dibromomethane	9.301	93	12775	9.792	ug/l	94
47) Bromodichloromethane	9.490	83	30416	10.222	ug/l	98
48) Methyl methacrylate	9.289	41	12406	8.998	ug/l #	87
49) 1,4-Dioxane	9.295	88	2782	164.064	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	74059	46.267	ug/l	93
52) Toluene	10.240	92	59497	10.691	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	30245	9.886	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	35301	10.018	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	18289	10.021	ug/l	97
56) Ethyl methacrylate	10.508	69	20573	9.012	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	29997	10.050	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	33965	34.137	ug/l	95
59) 2-Hexanone	10.831	43	49296	43.305	ug/l	91
60) Dibromochloromethane	10.977	129	22209	10.073	ug/l	99
61) 1,2-Dibromoethane	11.087	107	17679	9.949	ug/l	100
64) Tetrachloroethene	10.715	164	24919	10.400	ug/l	99
65) Chlorobenzene	11.514	112	64664	10.572	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	23111	10.166	ug/l	96
67) Ethyl Benzene	11.593	91	107511	10.156	ug/l	96
68) m/p-Xylenes	11.697	106	87677	20.727	ug/l	91
69) o-Xylene	12.026	106	40407	10.176	ug/l	88
70) Styrene	12.044	104	66223	9.929	ug/l	94
71) Bromoform	12.203	173	14395	9.874	ug/l #	100
73) Isopropylbenzene	12.325	105	105413	9.933	ug/l	99
74) N-amyl acetate	12.142	43	24534	8.710	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	20450	9.644	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	14373m	9.382	ug/l	
77) Bromobenzene	12.605	156	26867	10.127	ug/l	88
78) n-propylbenzene	12.666	91	129294	10.226	ug/l	97
79) 2-Chlorotoluene	12.752	91	73286	10.291	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	88222	10.050	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	6946	9.222	ug/l	87
82) 4-Chlorotoluene	12.855	91	76491	10.254	ug/l	95
83) tert-Butylbenzene	13.075	119	78174	10.115	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	88509	10.202	ug/l	97
85) sec-Butylbenzene	13.251	105	117848	10.420	ug/l	98
86) p-Isopropyltoluene	13.367	119	98882	10.296	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	54635	10.461	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	55939	10.642	ug/l	98
89) n-Butylbenzene	13.696	91	88793	10.112	ug/l	98
90) Hexachloroethane	13.959	117	19202	10.208	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	48549	10.361	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3124	9.019	ug/l	75
93) 1,2,4-Trichlorobenzene	15.001	180	29430	9.945	ug/l	99
94) Hexachlorobutadiene	15.111	225	19125	10.764	ug/l	99
95) Naphthalene	15.233	128	49045	8.871	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	25418	9.915	ug/l	100

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

