

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010968.D
 Acq On : 17 Oct 2022 12:18
 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 :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:13:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:10:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	290245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	468516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	419631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	202632	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55418	20.728	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.460%#
35) Dibromofluoromethane	7.716	113	74810	26.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	52.520%#
50) Toluene-d8	10.179	98	180370	18.438	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	36.880%#
62) 4-Bromofluorobenzene	12.483	95	123187	31.482	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	62.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36644	19.034	ug/l	97
3) Chloromethane	2.113	50	54667	19.792	ug/l	95
4) Vinyl Chloride	2.247	62	62149	19.852	ug/l	98
5) Bromomethane	2.631	94	41074	18.969	ug/l	99
6) Chloroethane	2.784	64	41738	19.951	ug/l	97
7) Trichlorofluoromethane	3.119	101	91064	19.874	ug/l	93
8) Diethyl Ether	3.521	74	32099	18.772	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	57033	19.843	ug/l	93
10) Methyl Iodide	4.082	142	70589	20.071	ug/l	89
11) Tert butyl alcohol	4.954	59	33992	94.064	ug/l	98
12) 1,1-Dichloroethene	3.863	96	54584	19.825	ug/l	87
13) Acrolein	3.723	56	41447	96.162	ug/l	97
14) Allyl chloride	4.472	41	84171	19.278	ug/l #	87
15) Acrylonitrile	5.149	53	85258	95.654	ug/l	96
16) Acetone	3.942	43	64365	82.902	ug/l #	87
17) Carbon Disulfide	4.186	76	162400	20.119	ug/l	99
18) Methyl Acetate	4.472	43	46171	18.571	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	146583	19.055	ug/l	97
20) Methylene Chloride	4.704	84	75191	17.013	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	62202	20.011	ug/l	90
22) Diisopropyl ether	6.112	45	183983	19.675	ug/l #	94
23) Vinyl Acetate	6.058	43	536235	95.896	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	110888	19.640	ug/l	99
25) 2-Butanone	6.984	43	104423	88.687	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	95294	19.007	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	69637	19.439	ug/l	91
28) Bromochloromethane	7.332	49	22893	13.009	ug/l	91
29) Tetrahydrofuran	7.344	42	67837	93.644	ug/l #	86
30) Chloroform	7.502	83	112602	19.785	ug/l	98
31) Cyclohexane	7.783	56	100476	19.639	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	97789	19.547	ug/l	96
36) 1,1-Dichloropropene	7.911	75	85834	19.680	ug/l	97
37) Ethyl Acetate	7.069	43	46175	19.121	ug/l #	94
38) Carbon Tetrachloride	7.893	117	87977	19.541	ug/l	99
39) Methylcyclohexane	9.179	83	102771	19.673	ug/l	93
40) Benzene	8.155	78	252079	19.698	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	22202m	16.587	ug/l	
42) 1,2-Dichloroethane	8.234	62	69302	19.545	ug/l	91
43) Isopropyl Acetate	8.271	43	81330	18.851	ug/l #	88
44) Trichloroethene	8.935	130	67369	19.426	ug/l	95
45) 1,2-Dichloropropane	9.209	63	64363	19.823	ug/l	95
46) Dibromomethane	9.307	93	35340	19.515	ug/l	96
47) Bromodichloromethane	9.496	83	85534	19.600	ug/l	98
48) Methyl methacrylate	9.289	41	35944	18.616	ug/l #	78
49) 1,4-Dioxane	9.295	88	9664	371.415	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	225660	93.788	ug/l	88
52) Toluene	10.240	92	157667	19.832	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	87051	19.201	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	100706	19.411	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	50738	19.421	ug/l	99
56) Ethyl methacrylate	10.508	69	64966	18.723	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	87756	19.537	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	114569	74.501	ug/l	96
59) 2-Hexanone	10.831	43	153553	92.907	ug/l	87
60) Dibromochloromethane	10.983	129	59381	19.115	ug/l	99
61) 1,2-Dibromoethane	11.087	107	48852	19.526	ug/l	99
64) Tetrachloroethene	10.721	164	64347	19.699	ug/l	99
65) Chlorobenzene	11.514	112	169556	19.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	62273	19.529	ug/l	97
67) Ethyl Benzene	11.593	91	298397	19.578	ug/l	98
68) m/p-Xylenes	11.703	106	233320	39.795	ug/l	94
69) o-Xylene	12.026	106	107833	19.369	ug/l	96
70) Styrene	12.044	104	184440	19.552	ug/l	96
71) Bromoform	12.209	173	37282	18.944	ug/l #	99
73) Isopropylbenzene	12.331	105	290476	19.731	ug/l	99
74) N-amyl acetate	12.142	43	69686	18.657	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	60112	19.456	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	44551m	18.979	ug/l	
77) Bromobenzene	12.605	156	67381	19.581	ug/l	98
78) n-propylbenzene	12.672	91	355687	19.858	ug/l	99
79) 2-Chlorotoluene	12.758	91	198675	19.696	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	245082	19.953	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	20664	19.318	ug/l #	84
82) 4-Chlorotoluene	12.855	91	206994	19.709	ug/l	100
83) tert-Butylbenzene	13.075	119	209124	19.688	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	242537	20.024	ug/l	99
85) sec-Butylbenzene	13.251	105	317167	19.871	ug/l	99
86) p-Isopropyltoluene	13.367	119	260907	19.705	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	134264	19.550	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	133483	19.548	ug/l	98
89) n-Butylbenzene	13.696	91	242292	19.582	ug/l	99
90) Hexachloroethane	13.959	117	51962	19.885	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	120397	19.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9605	18.803	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	68828	18.742	ug/l	99
94) Hexachlorobutadiene	15.111	225	41444	19.173	ug/l	97
95) Naphthalene	15.233	128	135181	18.075	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	59330	18.519	ug/l	99

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

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