

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080723\
 Data File : VY014966.D
 Acq On : 07 Aug 2023 16:11
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/08/2023
 Supervised By :Semsettin Yesilyurt 08/08/2023

Quant Time: Aug 08 07:50:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	312308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	515855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	459139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	231491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73804	19.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.000%	#	
35) Dibromofluoromethane	7.716	113	64018	19.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.820%	#	
50) Toluene-d8	10.179	98	245176	19.527	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.060%	#	
62) 4-Bromofluorobenzene	12.477	95	86969	19.543	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.080%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	43285	23.099	ug/l	100
3) Chloromethane	2.113	50	52071	21.186	ug/l	98
4) Vinyl Chloride	2.247	62	64619	21.336	ug/l	95
5) Bromomethane	2.625	94	46624	21.626	ug/l	93
6) Chloroethane	2.778	64	44107	21.093	ug/l	98
7) Trichlorofluoromethane	3.113	101	100156	20.927	ug/l	99
8) Diethyl Ether	3.521	74	35649	20.186	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	58322	20.585	ug/l	96
10) Methyl Iodide	4.082	142	57753	19.716	ug/l	98
11) Tert butyl alcohol	4.923	59	112538	123.188	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	51405	20.824	ug/l	95
13) Acrolein	3.722	56	28061	90.293	ug/l	99
14) Allyl chloride	4.466	41	82530	20.077	ug/l	96
15) Acrylonitrile	5.155	53	107609	99.737	ug/l	100
16) Acetone	3.942	43	112860	95.615	ug/l	95
17) Carbon Disulfide	4.186	76	117064	21.449	ug/l	99
18) Methyl Acetate	4.472	43	86166	20.045	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	189337	20.273	ug/l	99
20) Methylene Chloride	4.704	84	131406	20.644	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	57951	20.595	ug/l	94
22) Diisopropyl ether	6.112	45	192376	20.091	ug/l	95
23) Vinyl Acetate	6.051	43	570920	99.189	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	110271	20.303	ug/l	99
25) 2-Butanone	6.978	43	165004	97.599	ug/l	98
26) 2,2-Dichloropropane	6.972	77	106795	19.433	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	72005	20.221	ug/l	98
28) Bromochloromethane	7.325	49	51022	20.840	ug/l	92
29) Tetrahydrofuran	7.344	42	98406	99.258	ug/l	91
30) Chloroform	7.496	83	119043	20.177	ug/l	99
31) Cyclohexane	7.783	56	90157	20.986	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	104525	20.103	ug/l	98
36) 1,1-Dichloropropene	7.917	75	83927	20.492	ug/l	99
37) Ethyl Acetate	7.069	43	65193	20.054	ug/l #	93
38) Carbon Tetrachloride	7.899	117	93087	20.218	ug/l	97
39) Methylcyclohexane	9.179	83	100380	20.610	ug/l	97
40) Benzene	8.155	78	243403	20.183	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29826m	18.879	ug/l	
42) 1,2-Dichloroethane	8.234	62	84127	20.041	ug/l	96
43) Isopropyl Acetate	8.270	43	118259	19.580	ug/l	97
44) Trichloroethene	8.935	130	70897	20.488	ug/l	96
45) 1,2-Dichloropropane	9.209	63	63525	19.820	ug/l	97
46) Dibromomethane	9.301	93	41240	19.974	ug/l	97
47) Bromodichloromethane	9.490	83	95528	20.092	ug/l	99
48) Methyl methacrylate	9.289	41	52040	19.638	ug/l	93
49) 1,4-Dioxane	9.295	88	14657	381.651	ug/l #	61
51) 4-Methyl-2-Pentanone	10.069	43	335540	98.582	ug/l	94
52) Toluene	10.240	92	157319	20.272	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	97765	19.745	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	106462	19.901	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	59505	19.829	ug/l	94
56) Ethyl methacrylate	10.508	69	84246	19.606	ug/l	92
57) 1,3-Dichloropropane	10.788	76	100183	20.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	204212	100.513	ug/l	93
59) 2-Hexanone	10.831	43	248532	98.846	ug/l	93
60) Dibromochloromethane	10.983	129	70564	19.749	ug/l	100
61) 1,2-Dibromoethane	11.087	107	57080	19.928	ug/l	99
64) Tetrachloroethene	10.715	164	73148	21.179	ug/l	97
65) Chlorobenzene	11.514	112	177195	20.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	68265	19.996	ug/l	99
67) Ethyl Benzene	11.587	91	311536	20.376	ug/l	100
68) m/p-Xylenes	11.697	106	236063	40.359	ug/l	96
69) o-Xylene	12.026	106	116471	20.350	ug/l	98
70) Styrene	12.038	104	199109	20.356	ug/l	97
71) Bromoform	12.203	173	46557	19.785	ug/l #	98
73) Isopropylbenzene	12.325	105	313203	20.127	ug/l	100
74) N-amyl acetate	12.142	43	104647	19.683	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	73807	19.408	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	53108m	19.146	ug/l	
77) Bromobenzene	12.605	156	74997	19.869	ug/l	98
78) n-propylbenzene	12.666	91	375151	20.156	ug/l	99
79) 2-Chlorotoluene	12.751	91	214162	20.190	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	260642	20.325	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	23924	19.001	ug/l	98
82) 4-Chlorotoluene	12.849	91	220907	20.145	ug/l	100
83) tert-Butylbenzene	13.068	119	233995	19.947	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	257076	20.009	ug/l	98
85) sec-Butylbenzene	13.251	105	346475	20.124	ug/l	100
86) p-Isopropyltoluene	13.367	119	289809	20.335	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	147800	20.005	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	149855	20.338	ug/l	98
89) n-Butylbenzene	13.690	91	274213	20.478	ug/l	97
90) Hexachloroethane	13.958	117	54155	19.568	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	138021	20.241	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14244	19.184	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	87272	20.001	ug/l	99
94) Hexachlorobutadiene	15.111	225	48436	20.471	ug/l	96
95) Naphthalene	15.233	128	201165	19.594	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	78265	19.816	ug/l	98

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

