

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015069.D
 Acq On : 14 Aug 2023 10:08
 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 :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Quant Time: Aug 14 12:10:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:10:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	231711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	376735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	337202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	28795	10.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.720%#		
35) Dibromofluoromethane	7.716	113	24289	9.942	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.880%#		
50) Toluene-d8	10.179	98	90246	9.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.477	95	32175	9.754	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	13627	9.954	ug/l	97
3) Chloromethane	2.113	50	17461	9.895	ug/l	97
4) Vinyl Chloride	2.247	62	19814	10.955	ug/l	94
5) Bromomethane	2.638	94	15606	10.364	ug/l	94
6) Chloroethane	2.784	64	14188	10.693	ug/l	100
7) Trichlorofluoromethane	3.119	101	32493	10.613	ug/l	97
8) Diethyl Ether	3.528	74	12333	10.407	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	20680	10.925	ug/l	94
10) Methyl Iodide	4.082	142	17939	9.585	ug/l	96
11) Tert butyl alcohol	4.960	59	29342	53.704	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	16437	10.453	ug/l	90
13) Acrolein	3.729	56	17028	50.994	ug/l	95
14) Allyl chloride	4.473	41	29274	10.316	ug/l	97
15) Acrylonitrile	5.161	53	43190	53.324	ug/l	98
16) Acetone	3.942	43	46155	52.738	ug/l	93
17) Carbon Disulfide	4.192	76	28635	10.275	ug/l	100
18) Methyl Acetate	4.473	43	33784	10.503	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	70083	10.394	ug/l	96
20) Methylene Chloride	4.710	84	27760	9.907	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	18915	10.590	ug/l	86
22) Diisopropyl ether	6.112	45	71812	10.218	ug/l	97
23) Vinyl Acetate	6.058	43	211610	50.722	ug/l	95
24) 1,1-Dichloroethane	6.015	63	40399	10.628	ug/l	98
25) 2-Butanone	6.984	43	65573	52.723	ug/l	99
26) 2,2-Dichloropropane	6.978	77	37389	10.333	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	25374	10.364	ug/l	95
28) Bromochloromethane	7.326	49	17350	9.965	ug/l	94
29) Tetrahydrofuran	7.350	42	39469	52.525	ug/l	93
30) Chloroform	7.503	83	44389	10.471	ug/l	99
31) Cyclohexane	7.783	56	29788	10.021	ug/l #	72
32) 1,1,1-Trichloroethane	7.698	97	37299	10.317	ug/l	98
36) 1,1-Dichloropropene	7.917	75	27531	10.450	ug/l	99
37) Ethyl Acetate	7.076	43	25380	10.609	ug/l #	95
38) Carbon Tetrachloride	7.899	117	32998	10.574	ug/l	99
39) Methylcyclohexane	9.185	83	31247	10.525	ug/l	96
40) Benzene	8.161	78	84109	10.480	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12850m	10.176	ug/l	
42) 1,2-Dichloroethane	8.234	62	30198	10.434	ug/l	96
43) Isopropyl Acetate	8.271	43	46381	10.428	ug/l	98
44) Trichloroethene	8.941	130	24739	10.741	ug/l	98
45) 1,2-Dichloropropane	9.216	63	24011	10.638	ug/l	97
46) Dibromomethane	9.307	93	14554	10.165	ug/l	99
47) Bromodichloromethane	9.496	83	35274	10.350	ug/l	99
48) Methyl methacrylate	9.289	41	18957	9.930	ug/l	92
49) 1,4-Dioxane	9.295	88	6329	226.648	ug/l #	66
51) 4-Methyl-2-Pentanone	10.069	43	133854	51.946	ug/l	95
52) Toluene	10.246	92	54454	10.369	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	36230	10.214	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	37723	10.085	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	22707	10.564	ug/l	93
56) Ethyl methacrylate	10.508	69	32025	10.181	ug/l	93
57) 1,3-Dichloropropane	10.789	76	36565	10.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	71638	48.791	ug/l	92
59) 2-Hexanone	10.831	43	97715	51.467	ug/l	92
60) Dibromochloromethane	10.984	129	26009	10.071	ug/l	99
61) 1,2-Dibromoethane	11.087	107	22004	10.727	ug/l	96
64) Tetrachloroethene	10.721	164	24866	10.665	ug/l	96
65) Chlorobenzene	11.514	112	63130	10.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	25625	10.356	ug/l	99
67) Ethyl Benzene	11.593	91	110355	10.402	ug/l	98
68) m/p-Xylenes	11.703	106	82633	20.581	ug/l	98
69) o-Xylene	12.026	106	41694	10.320	ug/l	97
70) Styrene	12.044	104	70716	10.193	ug/l	98
71) Bromoform	12.209	173	18058	10.221	ug/l #	98
73) Isopropylbenzene	12.331	105	111832	10.402	ug/l	100
74) N-amyl acetate	12.142	43	38225	9.830	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	28131	10.066	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	21826m	10.730	ug/l	
77) Bromobenzene	12.605	156	27275	10.378	ug/l	96
78) n-propylbenzene	12.672	91	133125	10.402	ug/l	100
79) 2-Chlorotoluene	12.758	91	75702	10.268	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	93067	10.317	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	9084	9.759	ug/l	99
82) 4-Chlorotoluene	12.855	91	78906	10.300	ug/l	99
83) tert-Butylbenzene	13.075	119	85106	10.373	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	92942	10.325	ug/l	99
85) sec-Butylbenzene	13.251	105	125544	10.464	ug/l	99
86) p-Isopropyltoluene	13.367	119	103447	10.334	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54860	10.466	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	54888	10.447	ug/l	96
89) n-Butylbenzene	13.697	91	97678	10.423	ug/l	97
90) Hexachloroethane	13.959	117	20412	10.331	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	51144	10.472	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5629	10.461	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	32566	10.465	ug/l	99
94) Hexachlorobutadiene	15.111	225	18316	10.806	ug/l	97
95) Naphthalene	15.233	128	79718	10.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29357	10.380	ug/l	99

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

