

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082923\
 Data File : VY015360.D
 Acq On : 29 Aug 2023 18:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 31 15:06:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 13:05:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/31/2023
 Supervised By :Semsettin Yesilyurt 08/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	183873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	41701	21.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.320%#		
35) Dibromofluoromethane	7.710	113	35699	20.624	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.240%#		
50) Toluene-d8	10.172	98	131774	21.022	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.040%#		
62) 4-Bromofluorobenzene	12.477	95	47906	20.587	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	31923	19.973	ug/l	99
3) Chloromethane	2.107	50	41939	19.757	ug/l	97
4) Vinyl Chloride	2.247	62	49267	19.940	ug/l	98
5) Bromomethane	2.619	94	35990	20.472	ug/l	92
6) Chloroethane	2.777	64	33065	20.360	ug/l	96
7) Trichlorofluoromethane	3.107	101	70558	20.189	ug/l	99
8) Diethyl Ether	3.521	74	24446	20.468	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	39177	20.225	ug/l	96
10) Methyl Iodide	4.082	142	43793	19.252	ug/l	99
11) Tert butyl alcohol	4.936	59	61434	129.450	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	37069	20.280	ug/l	95
13) Acrolein	3.716	56	35553	76.268	ug/l	98
14) Allyl chloride	4.466	41	57854	19.880	ug/l	97
15) Acrylonitrile	5.155	53	72803	96.869	ug/l	100
16) Acetone	3.942	43	73363	89.171	ug/l	97
17) Carbon Disulfide	4.180	76	108299	19.819	ug/l	100
18) Methyl Acetate	4.466	43	59310	19.903	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	116852	19.670	ug/l	99
20) Methylene Chloride	4.704	84	64792	20.658	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	41995	19.952	ug/l	93
22) Diisopropyl ether	6.112	45	125863	19.775	ug/l	91
23) Vinyl Acetate	6.051	43	388847	109.568	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	73706	20.032	ug/l	99
25) 2-Butanone	6.978	43	110976	95.104	ug/l	95
26) 2,2-Dichloropropane	6.972	77	63094	20.190	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	47746	19.996	ug/l	95
28) Bromochloromethane	7.325	49	24174	21.425	ug/l	96
29) Tetrahydrofuran	7.338	42	70726	96.517	ug/l	93
30) Chloroform	7.496	83	77790	20.112	ug/l	97
31) Cyclohexane	7.777	56	69505	19.851	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	68756	19.902	ug/l	98
36) 1,1-Dichloropropene	7.911	75	61400	20.202	ug/l	98
37) Ethyl Acetate	7.069	43	44896	19.153	ug/l	96
38) Carbon Tetrachloride	7.892	117	62053	19.768	ug/l	97
39) Methylcyclohexane	9.179	83	75978	19.856	ug/l	97
40) Benzene	8.155	78	169276	19.962	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21429m	17.824	ug/l	
42) 1,2-Dichloroethane	8.228	62	56315	19.916	ug/l	96
43) Isopropyl Acetate	8.270	43	77158	19.035	ug/l	98
44) Trichloroethene	8.935	130	48202	20.091	ug/l	100
45) 1,2-Dichloropropane	9.209	63	42186	19.735	ug/l	94
46) Dibromomethane	9.301	93	28001	19.720	ug/l	95
47) Bromodichloromethane	9.490	83	59833	19.704	ug/l	98
48) Methyl methacrylate	9.288	41	36214	19.472	ug/l	93
49) 1,4-Dioxane	9.288	88	10290	390.143	ug/l #	60
51) 4-Methyl-2-Pentanone	10.063	43	226884	96.302	ug/l	94
52) Toluene	10.240	92	109342	20.118	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	61759	19.137	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	68653	19.556	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	37399	19.547	ug/l	98
56) Ethyl methacrylate	10.508	69	54764	19.315	ug/l	92
57) 1,3-Dichloropropane	10.788	76	65123	19.774	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	105296	104.048	ug/l	96
59) 2-Hexanone	10.825	43	165897	93.844	ug/l	93
60) Dibromochloromethane	10.977	129	43982	19.640	ug/l	100
61) 1,2-Dibromoethane	11.087	107	38064	19.634	ug/l	100
64) Tetrachloroethene	10.715	164	50541	20.752	ug/l	96
65) Chlorobenzene	11.514	112	116331	20.119	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	42484	20.074	ug/l	98
67) Ethyl Benzene	11.587	91	210759	20.300	ug/l	99
68) m/p-Xylenes	11.697	106	163477	40.621	ug/l	96
69) o-Xylene	12.026	106	78002	20.281	ug/l	98
70) Styrene	12.038	104	130092	20.116	ug/l	98
71) Bromoform	12.203	173	28268	19.148	ug/l #	100
73) Isopropylbenzene	12.325	105	204818	19.837	ug/l	100
74) N-amyl acetate	12.142	43	65439	18.865	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	47443	19.248	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	34983m	19.270	ug/l	
77) Bromobenzene	12.605	156	48435	19.806	ug/l	98
78) n-propylbenzene	12.666	91	250061	20.015	ug/l	99
79) 2-Chlorotoluene	12.751	91	138567	19.774	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	173299	20.066	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	14988	18.137	ug/l	98
82) 4-Chlorotoluene	12.849	91	144407	19.828	ug/l	100
83) tert-Butylbenzene	13.074	119	151091	19.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	170955	19.937	ug/l	99
85) sec-Butylbenzene	13.251	105	226258	20.054	ug/l	99
86) p-Isopropyltoluene	13.367	119	189042	19.992	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95065	19.691	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	97366	19.951	ug/l	98
89) n-Butylbenzene	13.690	91	177432	19.936	ug/l	96
90) Hexachloroethane	13.958	117	32931	19.472	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	87302	19.815	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9285	19.043	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	54703	19.770	ug/l	99
94) Hexachlorobutadiene	15.111	225	30029	19.903	ug/l	99
95) Naphthalene	15.233	128	131165	19.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	48683	19.289	ug/l	97

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

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