

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091923\
 Data File : VY015637.D
 Acq On : 19 Sep 2023 11:41
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/20/2023
 Supervised By :Semsettin Yesilyurt 09/20/2023

Quant Time: Sep 19 14:17:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 14:17:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9815	5.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.920%#		
35) Dibromofluoromethane	7.716	113	8342	5.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.140%#		
50) Toluene-d8	10.179	98	30266	5.426	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.860%#		
62) 4-Bromofluorobenzene	12.477	95	11550	5.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4963	4.612	ug/l	93
3) Chloromethane	2.113	50	6435	4.740	ug/l	99
4) Vinyl Chloride	2.247	62	7479	4.818	ug/l	99
5) Bromomethane	2.650	94	6980	6.907	ug/l	92
6) Chloroethane	2.790	64	5561	4.833	ug/l #	88
7) Trichlorofluoromethane	3.125	101	12260	4.709	ug/l	96
8) Diethyl Ether	3.534	74	5119	4.611	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	7569	4.643	ug/l	93
10) Methyl Iodide	4.088	142	6564	5.966	ug/l	97
11) Tert butyl alcohol	4.942	59	22178	39.086	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	6736	4.690	ug/l	83
13) Acrolein	3.729	56	6839	24.859	ug/l	100
14) Allyl chloride	4.472	41	11699	4.455	ug/l	95
15) Acrylonitrile	5.167	53	18334	22.512	ug/l	98
16) Acetone	3.954	43	23918	24.880	ug/l	90
17) Carbon Disulfide	4.198	76	12533	4.492	ug/l	98
18) Methyl Acetate	4.491	43	14383	4.459	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	26331	4.501	ug/l	99
20) Methylene Chloride	4.716	84	19210	4.744	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	7274	4.431	ug/l	91
22) Diisopropyl ether	6.118	45	28128	4.451	ug/l	98
23) Vinyl Acetate	6.064	43	86185	22.093	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	16246	4.716	ug/l	96
25) 2-Butanone	6.990	43	34000	25.022	ug/l	100
26) 2,2-Dichloropropane	6.984	77	18009	5.720	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	10253	4.704	ug/l	90
28) Bromochloromethane	7.338	49	4377	4.683	ug/l #	95
29) Tetrahydrofuran	7.350	42	17048	22.197	ug/l	94
30) Chloroform	7.508	83	17571	4.763	ug/l	98
31) Cyclohexane	7.789	56	13357	5.367	ug/l #	60
32) 1,1,1-Trichloroethane	7.697	97	14341	4.709	ug/l	98
36) 1,1-Dichloropropene	7.917	75	11663	4.795	ug/l	98
37) Ethyl Acetate	7.082	43	11036	4.549	ug/l	95
38) Carbon Tetrachloride	7.905	117	12409	4.700	ug/l	98
39) Methylcyclohexane	9.185	83	12362	4.595	ug/l	90
40) Benzene	8.161	78	34564	4.660	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	6488m	5.101	ug/l	
42) 1,2-Dichloroethane	8.234	62	12172	4.792	ug/l	94
43) Isopropyl Acetate	8.277	43	18329	4.423	ug/l	96
44) Trichloroethene	8.941	130	9753	4.708	ug/l	97
45) 1,2-Dichloropropane	9.215	63	9409	4.549	ug/l	98
46) Dibromomethane	9.307	93	5961	4.505	ug/l	94
47) Bromodichloromethane	9.496	83	13645	4.627	ug/l	93
48) Methyl methacrylate	9.295	41	7944	4.367	ug/l	91
49) 1,4-Dioxane	9.301	88	2288	87.532	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	57246	22.287	ug/l	94
52) Toluene	10.246	92	21945	4.589	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	13704	4.333	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	15323	4.501	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	9130	4.709	ug/l	91
56) Ethyl methacrylate	10.514	69	11783	4.124	ug/l	92
57) 1,3-Dichloropropane	10.788	76	15293	4.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	20422	22.500	ug/l	95
59) 2-Hexanone	10.831	43	42889	21.764	ug/l	91
60) Dibromochloromethane	10.983	129	10309	4.555	ug/l	100
61) 1,2-Dibromoethane	11.093	107	9020	4.755	ug/l	96
64) Tetrachloroethene	10.721	164	10093	4.682	ug/l	93
65) Chlorobenzene	11.514	112	26887	4.903	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	9538	4.477	ug/l	95
67) Ethyl Benzene	11.593	91	43500	4.538	ug/l	99
68) m/p-Xylenes	11.703	106	33464	9.185	ug/l	95
69) o-Xylene	12.026	106	15997	4.478	ug/l	99
70) Styrene	12.044	104	26389	4.315	ug/l	98
71) Bromoform	12.209	173	6845	4.434	ug/l #	96
73) Isopropylbenzene	12.331	105	43049	4.657	ug/l	99
74) N-amyl acetate	12.148	43	14621	4.208	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	12244	4.759	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	9529m	4.617	ug/l	
77) Bromobenzene	12.611	156	10948	4.825	ug/l	96
78) n-propylbenzene	12.672	91	52030	4.633	ug/l	98
79) 2-Chlorotoluene	12.758	91	30223	4.722	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	35685	4.611	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	3943	4.517	ug/l	90
82) 4-Chlorotoluene	12.855	91	31416	4.701	ug/l	99
83) tert-Butylbenzene	13.075	119	31601	4.663	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	34722	4.484	ug/l	98
85) sec-Butylbenzene	13.251	105	47172	4.651	ug/l	98
86) p-Isopropyltoluene	13.367	119	38236	4.513	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	21387	4.751	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	22193	4.930	ug/l	94
89) n-Butylbenzene	13.696	91	37183	4.635	ug/l	99
90) Hexachloroethane	13.959	117	7710	4.715	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	19729	4.748	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2404	4.705	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	12119	4.633	ug/l	98
94) Hexachlorobutadiene	15.111	225	6145	4.587	ug/l	96
95) Naphthalene	15.233	128	29166	4.276	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	11431	4.734	ug/l	97

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

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