

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040723\
 Data File : VY013219.D
 Acq On : 07 Apr 2023 16:59
 Operator : KP/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 :Krupa Patel 04/10/2023
 Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 10 01:25:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040723S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 10 01:25:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	81467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	128975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	115058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	5857	5.547	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.100%#		
35) Dibromofluoromethane	7.710	113	4555	5.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.080%#		
50) Toluene-d8	10.179	98	15534	4.844	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.680%#		
62) 4-Bromofluorobenzene	12.477	95	5301	4.789	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3838	4.940	ug/l	95
3) Chloromethane	2.107	50	7623	3.017	ug/l	97
4) Vinyl Chloride	2.247	62	4613	5.009	ug/l	93
5) Bromomethane	2.650	94	2716	4.816	ug/l	89
6) Chloroethane	2.790	64	4004	5.674	ug/l	90
7) Trichlorofluoromethane	3.125	101	7334	5.212	ug/l	86
8) Diethyl Ether	3.522	74	2755	5.286	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	4500	5.360	ug/l	97
10) Methyl Iodide	4.082	142	4463	4.712	ug/l	99
11) Tert butyl alcohol	4.930	59	11031	34.476	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	3923	5.133	ug/l	92
13) Acrolein	3.723	56	2550	26.581	ug/l	94
14) Allyl chloride	4.473	41	7883	5.025	ug/l	98
15) Acrylonitrile	5.168	53	8110	24.594	ug/l	98
16) Acetone	3.942	43	10814	28.416	ug/l	93
17) Carbon Disulfide	4.186	76	10840	4.863	ug/l #	92
18) Methyl Acetate	4.473	43	6763	5.297	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	12248	4.733	ug/l	94
20) Methylene Chloride	4.704	84	9016	3.464	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	4608	5.114	ug/l	91
22) Diisopropyl ether	6.119	45	14573	4.470	ug/l #	89
23) Vinyl Acetate	6.058	43	45095	21.995	ug/l	99
24) 1,1-Dichloroethane	6.015	63	8868	5.103	ug/l	99
25) 2-Butanone	6.984	43	14208	27.237	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	9274	5.774	ug/l	91
27) cis-1,2-Dichloroethene	6.978	96	5011	4.886	ug/l	83
28) Bromochloromethane	7.332	49	3948	4.918	ug/l #	90
29) Tetrahydrofuran	7.344	42	6978	22.239	ug/l	99
30) Chloroform	7.509	83	9239	5.182	ug/l	99
31) Cyclohexane	7.783	56	8251	5.600	ug/l #	77
32) 1,1,1-Trichloroethane	7.698	97	8050	5.079	ug/l	96
36) 1,1-Dichloropropene	7.911	75	6635	5.003	ug/l	97
37) Ethyl Acetate	7.076	43	5029	4.518	ug/l #	78
38) Carbon Tetrachloride	7.893	117	7720	5.080	ug/l	96
39) Methylcyclohexane	9.179	83	6622	4.489	ug/l	91
40) Benzene	8.155	78	19582	4.996	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	1777m	4.226	ug/l	
42) 1,2-Dichloroethane	8.234	62	6566	4.818	ug/l	97
43) Isopropyl Acetate	8.271	43	9142	4.678	ug/l	96
44) Trichloroethene	8.935	130	5172	5.132	ug/l	85
45) 1,2-Dichloropropane	9.216	63	5085	4.952	ug/l	96
46) Dibromomethane	9.307	93	3083	4.932	ug/l	95
47) Bromodichloromethane	9.490	83	7250	4.964	ug/l	95
48) Methyl methacrylate	9.295	41	3661	4.272	ug/l	92
49) 1,4-Dioxane	9.295	88	770	91.983	ug/l #	82
51) 4-Methyl-2-Pentanone	10.063	43	24468	22.344	ug/l	96
52) Toluene	10.240	92	11042	4.634	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	7091	4.638	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	7873	4.789	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	4188	4.961	ug/l	93
56) Ethyl methacrylate	10.502	69	4720	4.094	ug/l #	85
57) 1,3-Dichloropropane	10.789	76	7076	4.863	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.777	63	12206	22.384	ug/l	99
59) 2-Hexanone	10.831	43	17145	21.720	ug/l	93
60) Dibromochloromethane	10.977	129	5033	4.806	ug/l	100
61) 1,2-Dibromoethane	11.087	107	3943	4.834	ug/l	94
64) Tetrachloroethene	10.715	164	4408	5.082	ug/l	87
65) Chlorobenzene	11.514	112	13394	5.113	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	5321	5.200	ug/l	95
67) Ethyl Benzene	11.587	91	20842	4.620	ug/l	97
68) m/p-Xylenes	11.703	106	15489	8.977	ug/l	97
69) o-Xylene	12.026	106	7171	4.445	ug/l	98
70) Styrene	12.038	104	11767	4.255	ug/l	97
71) Bromoform	12.203	173	3463	4.864	ug/l #	97
73) Isopropylbenzene	12.325	105	19629	4.662	ug/l	99
74) N-amyl acetate	12.142	43	6598	4.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	5323	4.960	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	3879m	4.937	ug/l	
77) Bromobenzene	12.605	156	5274	5.002	ug/l	99
78) n-propylbenzene	12.666	91	23759	4.600	ug/l	98
79) 2-Chlorotoluene	12.752	91	14392	4.894	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	15912	4.563	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1797	4.695	ug/l	89
82) 4-Chlorotoluene	12.849	91	14568	4.749	ug/l	99
83) tert-Butylbenzene	13.075	119	14027	4.566	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	14848	4.361	ug/l	99
85) sec-Butylbenzene	13.251	105	20757	4.593	ug/l	99
86) p-Isopropyltoluene	13.367	119	16671	4.442	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	10810	5.201	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	10738	5.080	ug/l	90
89) n-Butylbenzene	13.697	91	16775	4.717	ug/l	95
90) Hexachloroethane	13.959	117	4241	5.317	ug/l	95
91) 1,2-Dichlorobenzene	13.733	146	9475	4.967	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	957	4.794	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	5382	4.714	ug/l	96
94) Hexachlorobutadiene	15.111	225	3804	5.558	ug/l	97
95) Naphthalene	15.233	128	10727	4.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5208	4.906	ug/l	97

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

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