

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061522\
 Data File : VY009183.D
 Acq On : 15 Jun 2022 13:40
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

Quant Time: Jun 16 02:23:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:21:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	164778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	248082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8870	5.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.020%#		
35) Dibromofluoromethane	7.704	113	8633	4.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.800%#		
50) Toluene-d8	10.179	98	34110	5.153	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	12.477	95	12534	5.121	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6619	4.626	ug/l	86
3) Chloromethane	2.107	50	8529	4.212	ug/l	97
4) Vinyl Chloride	2.241	62	8840	3.039	ug/l	91
5) Bromomethane	2.637	94	6541	2.284	ug/l	98
6) Chloroethane	2.790	64	5280	2.561	ug/l	95
7) Trichlorofluoromethane	3.113	101	13398	5.026	ug/l	91
8) Diethyl Ether	3.521	74	4843	5.556	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	8285	5.049	ug/l #	41
10) Methyl Iodide	4.082	142	8386	4.813	ug/l	89
11) Tert butyl alcohol	4.930	59	9651	54.873	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	7872	5.095	ug/l #	73
13) Acrolein	3.729	56	1754	29.906	ug/l	92
14) Allyl chloride	4.472	41	14657	6.076	ug/l	90
15) Acrylonitrile	5.155	53	13106	26.995	ug/l	98
16) Acetone	3.936	43	11495	31.818	ug/l	100
17) Carbon Disulfide	4.186	76	19929	4.029	ug/l	99
18) Methyl Acetate	4.472	43	11240	10.050	ug/l	92
19) Methyl tert-butyl Ether	5.198	73	23603	5.068	ug/l	94
20) Methylene Chloride	4.704	84	15265	5.919	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	9028	4.563	ug/l #	79
22) Diisopropyl ether	6.112	45	30437	5.393	ug/l	99
23) Vinyl Acetate	6.045	43	77225	20.798	ug/l	97
24) 1,1-Dichloroethane	6.009	63	16982	5.075	ug/l	94
25) 2-Butanone	6.984	43	17886	28.092	ug/l	93
26) 2,2-Dichloropropane	6.972	77	15039	4.927	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	10781	4.839	ug/l	89
28) Bromochloromethane	7.332	49	7855	6.492	ug/l	96
29) Tetrahydrofuran	7.338	42	11598	26.849	ug/l	92
30) Chloroform	7.502	83	17566	4.902	ug/l	88
31) Cyclohexane	7.783	56	17037	5.196	ug/l #	71
32) 1,1,1-Trichloroethane	7.697	97	14834	4.600	ug/l	95
36) 1,1-Dichloropropene	7.911	75	12894	4.522	ug/l	99
37) Ethyl Acetate	7.070	43	7295	4.834	ug/l #	87
38) Carbon Tetrachloride	7.899	117	12989	4.376	ug/l	97
39) Methylcyclohexane	9.179	83	14615	4.034	ug/l	92
40) Benzene	8.155	78	38933	4.746	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	4818m	6.179	ug/l	
42) 1,2-Dichloroethane	8.234	62	11149	4.641	ug/l	94
43) Isopropyl Acetate	8.271	43	14577	5.231	ug/l	94
44) Trichloroethene	8.935	130	11272	5.128	ug/l	96
45) 1,2-Dichloropropane	9.209	63	9605	4.837	ug/l #	87
46) Dibromomethane	9.301	93	5644	4.538	ug/l	96
47) Bromodichloromethane	9.490	83	13453	4.702	ug/l #	97
48) Methyl methacrylate	9.289	41	6478	5.206	ug/l	92
49) 1,4-Dioxane	9.289	88	1469	87.165	ug/l #	68
51) 4-Methyl-2-Pentanone	10.063	43	37860	24.947	ug/l	97
52) Toluene	10.240	92	24108	4.305	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	13681	4.545	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	15525	4.726	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	7974	4.582	ug/l	95
56) Ethyl methacrylate	10.508	69	9183	4.112	ug/l	96
57) 1,3-Dichloropropane	10.782	76	13391	4.692	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	26655	27.765	ug/l	98
59) 2-Hexanone	10.831	43	24803	24.007	ug/l	95
60) Dibromochloromethane	10.977	129	9788	4.652	ug/l	99
61) 1,2-Dibromoethane	11.081	107	7473	4.350	ug/l	98
64) Tetrachloroethene	10.715	164	11895	6.267	ug/l	94
65) Chlorobenzene	11.514	112	26459	4.696	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	9745	4.742	ug/l	98
67) Ethyl Benzene	11.587	91	45652	4.554	ug/l	100
68) m/p-Xylenes	11.697	106	35532	8.851	ug/l	94
69) o-Xylene	12.026	106	16626	4.433	ug/l	94
70) Styrene	12.038	104	27700	4.353	ug/l	96
71) Bromoform	12.203	173	6050	4.505	ug/l #	97
73) Isopropylbenzene	12.325	105	43918	4.789	ug/l	99
74) N-amyl acetate	12.142	43	12109	5.573	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	9116	4.849	ug/l	100
76) 1,2,3-Trichloropropane	12.623	75	6773m	5.024	ug/l	
77) Bromobenzene	12.605	156	11354	5.271	ug/l	93
78) n-propylbenzene	12.666	91	52913	4.706	ug/l	95
79) 2-Chlorotoluene	12.751	91	30687	5.031	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	36516	4.799	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	3347	5.185	ug/l	90
82) 4-Chlorotoluene	12.849	91	32927	5.118	ug/l	94
83) tert-Butylbenzene	13.075	119	32170	4.748	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	35567	4.720	ug/l	94
85) sec-Butylbenzene	13.251	105	48155	4.708	ug/l	99
86) p-Isopropyltoluene	13.367	119	39531	4.642	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	22423	5.036	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	22780	5.076	ug/l	96
89) n-Butylbenzene	13.696	91	38744	4.932	ug/l	99
90) Hexachloroethane	13.959	117	7504	4.656	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	19370	4.875	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1559	5.199	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	11981	5.286	ug/l	96
94) Hexachlorobutadiene	15.111	225	7684	6.229	ug/l	93
95) Naphthalene	15.233	128	22721	4.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10438	5.283	ug/l	96

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

