

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010547.D
 Acq On : 19 Sep 2022 12:16
 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 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:38:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	289379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	470153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	415588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	202899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	14037	5.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.140%#		
35) Dibromofluoromethane	7.710	113	13170	4.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.780%#		
50) Toluene-d8	10.179	98	53682	5.253	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.500%#		
62) 4-Bromofluorobenzene	12.477	95	18381	4.125	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.260%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9844	6.100	ug/l	100
3) Chloromethane	2.107	50	12225	5.408	ug/l	99
4) Vinyl Chloride	2.247	62	14119	4.975	ug/l	97
5) Bromomethane	2.644	94	12207	6.033	ug/l	94
6) Chloroethane	2.784	64	10724	5.261	ug/l	91
7) Trichlorofluoromethane	3.113	101	19413	5.105	ug/l	90
8) Diethyl Ether	3.522	74	6731	5.163	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.893	101	11943	5.219	ug/l	97
10) Methyl Iodide	4.082	142	12478	4.720	ug/l	90
11) Tert butyl alcohol	4.942	59	9292	33.058	ug/l	96
12) 1,1-Dichloroethene	3.857	96	10437	5.108	ug/l	82
13) Acrolein	3.729	56	3371	26.181	ug/l	96
14) Allyl chloride	4.473	41	15907	5.163	ug/l #	93
15) Acrylonitrile	5.155	53	17468	25.815	ug/l	97
16) Acetone	3.942	43	16292	28.864	ug/l #	85
17) Carbon Disulfide	4.186	76	22769	4.994	ug/l	100
18) Methyl Acetate	4.473	43	13009	7.105	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	32292	5.069	ug/l	96
20) Methylene Chloride	4.704	84	44987	9.908	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	12126	5.273	ug/l #	79
22) Diisopropyl ether	6.113	45	35937	4.942	ug/l #	94
23) Vinyl Acetate	6.052	43	90497	21.066	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	22793	5.222	ug/l	98
25) 2-Butanone	6.978	43	24130	27.332	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	23369	5.568	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	14475	5.053	ug/l	94
28) Bromochloromethane	7.326	49	8506	4.889	ug/l #	81
29) Tetrahydrofuran	7.344	42	13520	24.933	ug/l #	84
30) Chloroform	7.503	83	24943	5.282	ug/l	99
31) Cyclohexane	7.783	56	21884	6.130	ug/l #	66
32) 1,1,1-Trichloroethane	7.698	97	21481	5.111	ug/l	97
36) 1,1-Dichloropropene	7.911	75	16942	5.068	ug/l	96
37) Ethyl Acetate	7.070	43	9404	4.870	ug/l #	90
38) Carbon Tetrachloride	7.893	117	18926	4.923	ug/l	98
39) Methylcyclohexane	9.179	83	19233	4.915	ug/l	90
40) Benzene	8.155	78	50285	5.045	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3674	3.272	ug/l #	48
42) 1,2-Dichloroethane	8.234	62	15290	4.982	ug/l	91
43) Isopropyl Acetate	8.271	43	16267	4.596	ug/l #	86
44) Trichloroethene	8.935	130	14590	5.114	ug/l	95
45) 1,2-Dichloropropane	9.210	63	13321	5.167	ug/l	96
46) Dibromomethane	9.301	93	7560	4.993	ug/l	98
47) Bromodichloromethane	9.490	83	18566	4.966	ug/l	100
48) Methyl methacrylate	9.289	41	7260	4.646	ug/l #	80
49) 1,4-Dioxane	9.295	88	2280	102.403	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	46420	23.228	ug/l	89
52) Toluene	10.240	92	32594	4.998	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	18389	4.864	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	20571	4.881	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	11042	4.958	ug/l	95
56) Ethyl methacrylate	10.508	69	12784	4.431	ug/l #	82
57) 1,3-Dichloropropane	10.789	76	18338	4.971	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.777	63	34379	23.623	ug/l	93
59) 2-Hexanone	10.831	43	30162	22.267	ug/l	86
60) Dibromochloromethane	10.984	129	13361	4.902	ug/l	100
61) 1,2-Dibromoethane	11.087	107	10419	4.997	ug/l	98
64) Tetrachloroethene	10.715	164	14838	5.345	ug/l	97
65) Chlorobenzene	11.514	112	37469	5.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	13956	4.985	ug/l	96
67) Ethyl Benzene	11.593	91	63245	5.012	ug/l	98
68) m/p-Xylenes	11.703	106	48541	9.929	ug/l	92
69) o-Xylene	12.026	106	23690	4.970	ug/l	91
70) Styrene	12.044	104	38880	4.802	ug/l	94
71) Bromoform	12.203	173	8365	4.812	ug/l #	97
73) Isopropylbenzene	12.325	105	62503	4.984	ug/l	100
74) N-amyl acetate	12.142	43	13119	4.314	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	13551	5.303	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	11183m	5.152	ug/l	
77) Bromobenzene	12.605	156	15565	5.217	ug/l	94
78) n-propylbenzene	12.666	91	75531	5.057	ug/l	99
79) 2-Chlorotoluene	12.752	91	43795	5.146	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	53738	5.072	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	4297	4.934	ug/l	86
82) 4-Chlorotoluene	12.855	91	44872	5.106	ug/l	99
83) tert-Butylbenzene	13.075	119	46610	4.919	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	52865	5.022	ug/l	98
85) sec-Butylbenzene	13.251	105	69476	5.006	ug/l	99
86) p-Isopropyltoluene	13.367	119	56814	4.899	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	31691	5.233	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	31972	5.334	ug/l	95
89) n-Butylbenzene	13.697	91	53176	4.995	ug/l	99
90) Hexachloroethane	13.959	117	11716	5.262	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	28095	5.208	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2313	5.425	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	16966	5.156	ug/l	100
94) Hexachlorobutadiene	15.111	225	11180	5.590	ug/l	99
95) Naphthalene	15.233	128	31475	4.747	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	14484	5.055	ug/l	98

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

